## KRISTIN STEPHENS-MARTINEZ

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D224 LSRC, Research Drive Box 90129

Durham, NC 27708-0129

## **EDUCATION**

Doctor of Philosophy, Computer Science (Advisor: Armando Fox)

University of California, Berkeley

Thesis: Serving CS Formative Feedback on Assessments Using Simple and Practical Teacher-Bootstrapped

December 2017

Error Models

Master of Science, Computer Science (Advisor: Vern Paxson)

University of California, Berkeley December 2013

Report: Towards Sound HTTP Request Causation Inference

 $Bachelor\ of\ Science,\ Computer\ Science$ 

University of Maryland, College Park May 2009

Summa Cum Laude

## PROFESSIONAL APPOINTMENTS

Associate Director of Undergraduate Studies (Duke University)

Sept 2021 - Now

Assistant Professor of the Practice (Duke University)

Dec 2017 - Now

Co-Instructor

CS194-25 with Dawn Song (University of California, Berkeley) Fall 2012

### Head/Graduate/Undergraduate Teaching Assistant

See Teaching section for details

## Graduate Student Researcher

Wrong answers and Hints with Armando Fox May - Aug 2016, Jan - May 2017

(University of California, Berkeley)

KnowMap with Dawn Song (University of California, Berkeley)

May - Dec 2012

Work with Vern Paxson (University of California, Berkeley)

• BGP Parser Jan - Aug 2011

• HTTP Request Causation Jan - May 2012

Hoodnets with Bobby Bhattacharjee (University of Maryland, College Park)

Aug 2009 - May 2010

## Undergraduate Student Researcher

FindBugs with Bill Pugh (University of Maryland, College Park)

May - Aug 2006, Jan - May 2007

# Software Engineer Intern

| 8   |                |
|---|----------------|
| Coursera, Quiz Statistics Visualization (Mountain View, CA)           | May - Aug 2014 |
| Stanford edX, Instructor Dashboard (Stanford, CA)                     | May - Aug 2013 |
| Google, Google Doc Team (New York, NY)                                | Jun - Aug 2010 |
| Google, Internationalization Team (Mountain View, CA)                 | Jun - Aug 2009 |
| Microsoft, Excel Developer Team (Redmond, WA)                         | May - Aug 2008 |
| Oil Price Information Services (OPIS), Developer Team (Rockville, MD) | May - Aug 2008 |

### HONORS AND AWARDS

## University of California, Berkeley

| Outstanding Graduate Student Instructor                    | 2012-2013 |
|--|-----------|
| National Science Foundation Graduate Research Fellowship   | 2010      |
| University of California, Berkeley Chancellor's Fellowship | 2010      |

# University of Maryland, College Park

Outstanding Undergraduate for The College of Computational, Mathematical, and Physical Sciences 2009 CS Teaching Excellence Award for an Undergraduate Teaching Assistant 2009

### **PUBLICATIONS**

### Conferences

Anshul Shah, Jonathan Liu, **Kristin Stephens-Martinez**, and Susan H. Rodger. 2021. *The CS1 Reviewer App: Choose Your Own Adventure or Choose for Me!*. In Proceedings of the 26th ACM Conference on Innovation and Technology in Computer Science Education. (pp 331-337) ITiCSE '21. (30.5% acceptance)

Kristin Stephens-Martinez. 2021. A Study of the Relationship Between a CS1 Student's Gender and Performance Versus Gauging Understanding and Study Tactics. In Proceedings of the 52nd ACM Technical Symposium on Computer Science Education. (pp 679-685) SIGCSE '21. (31% acceptance)

Kristin Stephens-Martinez and Armando Fox. 2018. Giving Hints is Complicated: Understanding the Challenges of an Automated Hint System Based on Frequent Wrong Answers. ACM Conference on Innovation and Technology in Computer Science Education. (pp. 45-50) ITiCSE '18.

Kristin Stephens-Martinez, An Ju, Krishna Parashar, Regina Ongowarsito, Nikunj Jain, Sreesha Venkat, Armando Fox. 2017. Taking Advantage of Scale by Analyzing Frequent Constructed-Response, Code Tracing Wrong Answers. ACM International Computing Education Research. (pp. 56-64) ICER '17.

Kristin Stephens-Martinez, Marti A. Hearst, and Armando Fox. 2014. Monitoring MOOCs: Which information sources do instructors value?. ACM Learning At Scale. (pp. 79-88) ACM L@S '14.

### Posters

Amogh Mannekote, Mehmet Celepkolu, Aisha Chung Galdo, Kristy Elizabeth Boyer, Maya Israel, Sarah Heckman, **Kristin Stephens-Martinez**. 2022. *Don't Just Paste Your Stacktrace: Shaping Discussion Forums in Introductory CS Courses*. Extended Abstract at ACM SIGCSE Technical Symposium on Computer Science Education. In press. SIGCSE '22. (64% acceptance)

Kristin Stephens-Martinez, An Ju, Colin Schoen, John DeNero, Armando Fox. 2016. *Identifying Student Misunderstandings using Constructed Responses*. Extended Abstract at ACM Learning At Scale. (pp. 153-156) L@S '16.

Kristin Stephens, Shaddi Hasan, and Yahel Ben-David. 2012. MultiWAN: WAN Aggregation for Developing Regions. ACM Symposium on Computing for Development. DEV '12.

Brian Cole, Dan Hakim, Dave Hovemeyer, Reuven Lazarus, William Pugh, and **Kristin Stephens**. 2006. Improving your software using static analysis to find bugs. In Companion to the 21st ACM SIGPLAN Symposium on Object-Oriented Programming Systems, Languages, and Applications. OOPSLA '06.

### Articles

Kristin Stephens-Martinez. 2021. The CS-Ed Podcast Season 2. ACM SIGCSE Bulletin, Vol. 53, No. 1, page 6, January 2021.

Kristin Stephens-Martinez. 2020. The CS-Ed Podcast. ACM SIGCSE Bulletin, Vol. 52, No. 1, page 12, January 2020.

### Panels

Dan Garcia, Zelda Allison, Abigail Joseph, David Malan, **Kristin Stephens-Martinez**. 2022. *Technology We Can't Live Without! (COVID-19 edition)*. SIGCSE Technical Symposium on Computer Science Education. In press. SIGCSE '22. (58% acceptance)

Kristin Stephens-Martinez, Manuel A. Pérez-Quiñones, Nicki Washington, and Leigh Ann DeLyser. 2021. Where Should We Go From Here? Eliminating Inequities In CS Education, Featuring Guests From The CS-Ed Podcast. SIGCSE Technical Symposium on Computer Science Education. SIGCSE '21. (56% acceptance)

### Demos

Yihao Hu, Zhengjie Miao, Zhiming Leong, Haechan Lim, Zachary Zheng, Sudeepa Roy, **Kristin Stephens-Martinez**, and Jun Yang. 2022. *I-Rex: An Interactive Relational Query Debugger for SQL*. Abstract at ACM SIGCSE Technical Symposium on Computer Science Education. In press. SIGCSE '22. (48% acceptance)

## Birds of a Feathers

Kevin Lin, Brian Railing, and **Kristin Stephens-Martinez**. 2021. How can we make office hours better?. SIGCSE Technical Symposium on Computer Science Education. SIGCSE '21. (88% acceptance)

Kristin Stephens-Martinez and Brian Railing. 2019. How can we make office hours better? SIGCSE Technical Symposium on Computer Science Education. Feb 28, 2019. SIGCSE '19.

## Artifacts

**Kristin Stephens-Martinez**. 2021. *The CS-Ed Podcast*. Season 3. Duke University. A podcast where I talk about teaching computer science with computer science educators. Theme: "What's Next?" Episodes are 30-45 minute long. 721 listens across 4 episodes as of 8/1/22 from Spotify, Apple Podcasts, and Google Podcasts. https://csedpodcast.org/

Kristin Stephens-Martinez. 2021. The CS-Ed Podcast. Season 2. Duke University. A podcast where I talk about teaching computer science with computer science educators. Theme: "Where should we go from here?" 6 episode series of 30-45 minute episodes. 1,255 listens across 6 episodes as of 8/1/22 from Spotify, Apple Podcasts, and Google Podcasts. https://csedpodcast.org/

Kristin Stephens-Martinez. 2019-2020. The CS-Ed Podcast. Season 1. Duke University. A podcast where I talk about teaching computer science with computer science educators. 6 episode series of 30-45 minute episodes. 2 released in 2019 and 4 released in 2020. 2,159 listens as of 8/1/22 from Spotify, Apple Podcasts, and Google Podcasts. https://csedpodcast.org/

Kristin Stephens-Martinez. 2018. Learning Innovation Blog: "Planning a Course Calendar". https://learninginnovation.duke.edu/blog/2018/08/planning-a-course-calendar/

 $\frac{Blog}{\text{https://ksm-cs.blogspot.com/}}$  OR https://ksm-csed.medium.com/

| Year Posted | # Posts | Total Views* | Topics   |
|-------------|---------|--------------|--|
| 2019        | 9       | 3,602        | Conference reflection, grant writing reflection, how I stay  |
|             |         |              | organized, and teaching                                      |
| 2020        | 8       | 2,147        | My webinar "How to Create and Use Formative Assess-          |
|             |         |              | ments at Scale", conference reflection, how I organize the   |
|             |         |              | teaching staff of my 200+ student class, getting organized   |
| 2021        | 8       | 583          | Semester theme, conference reflections, teaching reflec-     |
|             |         |              | tions, teaching techniques, ITiCSE paper, other podcasts     |
| 2022        | 5       | 244          | Grad school application advice, teaching reflection, reflec- |
|             |         |              | tions as hybrid chair for a conference                       |

<sup>\*</sup> For all posts from that year for all time as of 8/1/22.

## **TEACHING**

| Duko | Unive | reitu |
|------|-------|-------|
| Duke | Onive | rsuu  |

| Date |        | Number                      | Title                            | Enrolled | TAs/UTAs |
|------|--------|-----------------------------|----------------------------------|----------|----------|
| 2022 | Spring | Compsci 216                 | Everything Data                  | 208      | 2.5/10   |
| 2022 | Spring | Compsci 290                 | Computing Education Research     | 14       | 0        |
| 2021 | Fall   | Compsci 116                 | Foundations of Data Science      | 38       | 1/2      |
| 2021 | Fall   | Compsci 216                 | Everything Data                  | 198      | 2/10     |
| 2021 | Spring | Compsci 201                 | Data Structures and Algorithms   | 276      | 2/31     |
|      |        | (Co-taught with             | Brandon Fain)                    |          |          |
| 2021 | Spring | Compsci 216                 | Everything Data                  | 217      | 2/9      |
|      |        | (Co-taught with             | Brandon Fain)                    |          |          |
| 2020 | Spring | Compsci 249                 | Compsci Ed Research              | 10       | 0        |
|      |        | (Co-taught with             | Susan Rodger)                    |          |          |
| 2020 | Spring | Compsci 101                 | Introduction to Computer Science | 170      | 2/20     |
| 2019 | Fall   | Compsci 249                 | Compsci Ed Research              | 10       | 0        |
|      |        | (Co-taught with             | Susan Rodger and Robert Duvall)  |          |          |
| 2019 | Fall   | Compsci 116                 | Foundations of Data Science      | 32       | 1/3      |
| 2019 | Fall   | Compsci 101                 | Introduction to Computer Science | 254      | 2/30     |
| 2019 | Spring | Compsci 101 Sec1            | Introduction to Computer Science | 130      | 2/28     |
|      | Spring | Compsci 101 Sec2            | Introduction to Computer Science | 94       | -        |
| 2018 | Fall   | Compsci 101 Sec1            | Introduction to Computer Science | 182      | 2/34     |
|      | Fall   | Compsci $101 \text{ Sec} 2$ | Introduction to Computer Science | 109      | -        |
| 2018 | Spring | Compsci $101 \text{ Sec} 2$ | Introduction to Computer Science | 104      | 2/29     |
|      |        | (Co-taught with             | Owen Astrachan (Sec 1))          |          |          |

Notes:

Fall 2020: Parental leave

TA - Graduate Teaching Assistant, UTA - Undergraduate Teaching Assistant

# University of California, Berkeley (Co-Instructor)

| Date |      | Number   | Title  | Enrolled | $\mathbf{UTAs}$ |
|------|------|----------|--|----------|-----------------|
| 2012 | Fall | CS194-25 | Special Topics: Build Your Next Gen Education Technology | 13       | 0               |
|      |      | (Co-tau  | ight with Dawn Song)                                     |          |                 |

# University of California, Berkeley (Graduate Teaching Assistant)

| Armando Fox, Head Grad TA of 5 Undergrad TAs)     |
|---|
| erpretation of Computer Programs (Paul Hilfinger) |
| erpretation of Computer Programs (John DeNero)    |
| unication Networks (Scott Shenker)                |
|   |

## University of Maryland, College Park (Graduate Teaching Assistant)

Number Title

2009 Fall CMSC198K The Science Behind Computing (Bobby Bhattacharjee & Samir Khuller)

# University of Maryland, College Park (Undergraduate Teaching Assistant)

Date Number Title

2008 CMSC131 Object Oriented Programming I (Jan Plane) Spring

2007 Fall CMSC106 Intro to C Programming (Jan Plane)

## Course and Curriculum Development

Robert Duvall, Susan Rodger, and Kristin Stephens-Martinez (alphabetical order). Curriculum for Undergraduate Teaching Assistant Training. 2019. Compsci249. Duke University.

Ji Yeon Kim, Yesenia Velasco, and Kristin Stephens-Martinez. Auto-grader Unittests for Compsci101 Assignments. 2018. Compsci101. Duke University.

Kristin Stephens-Martinez. Curriculum for "Build Your Next Gen Education Technology. 2012. CS194-25. University of California, Berkeley.

### **GRANTS**

REU Supplement to "CUE: Collaborative Research: Effective Peer Teaching Across Computing Pathways." #1934965, National Science Foundation: Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE), \$5,000, Summer 2021.

REU Supplement to "CUE: Collaborative Research: Effective Peer Teaching Across Computing Pathways," #1934965, National Science Foundation: Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE), \$10,000, Summer 2020.

"III: Small:HNRQ: Helping Novices Learn and Debug Relational Queries," #2008107, National Science Foundation: IIS, \$500,000, October 2020 - September 2023 (with Jun Yang and Sudeepa Roy).

"CUE: Collaborative Research: Effective Peer Teaching Across Computing Pathways," #1934965, National Science Foundation: Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE), \$300,000, January 2020 - June 2022 (with Sarah Heckman, Lina Battestilli, Anna Howard, Kristy Boyer, Maya Israel, Ketan Mayer-Patel, David Gotz, and Karen Murphy). Stephens-Martinez part \$76,055.

"The CS-Ed Podcast," SIGCSE Special Projects Grants, \$5,000, Year of 2019. (acceptance rate 15%)

### **STUDENTS**

## **Duke University**

PhD's

1. Shao-Heng Ko

Aug 2022 - Current

Master's

1. Ji Yeon Kim - "Student Paths in CS1: Case Studies of Initial Poor Performers" Aug 2018 - May 2019

Post Bachelor's

1. Jonathan Liu, "CS101 Reviewer App"

Fall 2020 - Spring 2021

Undergrad

1. Bianca Saputra, "What CS1 Formative Assessments Tell Us" (Thesis)

Fall 2021 - Spring 2022 Summer 2021

2. Brian Janger, "CS101 Reviewer App" (CS+ Program)

3. Manith Luthria, "CS101 Reviewer App" (CS+ Program)

Summer 2021

4. Belle Xu

| • "CS101 Reviewer App" (Independent Study)  | Spring 2022  |
|---|--|
| • "CS101 Reviewer App" (CS+ Program)  | Summer 2021  |
| <ul> <li>5. Sona Suryadevara</li> <li>"Analyzing Office Hours Through the Lens of Gender and the<br/>Problem-Solving Process" (Thesis)</li> <li>"CS101 Reviewer App" (CS+ Program)</li> </ul>   | Fall 2021, Spring 2022<br>Summer 2021  |
| 6. Eric Young   |  |
| <ul> <li>Duke Innovation &amp; Entrepreneurship Certificate Program</li> <li>"WWPD: What Will Python Do?" (CS+ Program)</li> <li>Andrew Elcock, "CS101 Reviewer App" (Independent Study)</li> </ul>   | Summer 2021 Summer 2020 Spring 2021 2020, Fall 2020, Spring 2021 Summer 2020 Summer 2020 Summer 2019 Summer 2019 Summer 2018 Summer 2018 Summer 2018 |
| PhD, Preliminary Exam Committee Member 1. Zhengjie Miao (advisor: Sudeepa Roy)  | Spring 2020  |
| <ul><li>PhD, Research Initial Project Committee Member</li><li>1. Yihao Hu (advisor: Jun Yang)</li><li>2. Zhengjie Miao (advisor: Sudeepa Roy)</li></ul>  | Spring 2021<br>Spring 2018   |
| Master's Committee Member 1. Tiangang Chen (advisor: Jun Yang) 2. Yuxi Yang (advisor: Mary Cummings)  | Spring 2020<br>Fall 2019   |
| <ul> <li>University of California, Berkeley (All Undergrad)</li> <li>1. Anwar Baroudi, "Do students like and remember hints?"</li> <li>2. Maia Rosengarten, "Do students like and remember hints?"</li> <li>3. Kavi Gupta, "Delivering Hints to Students Based on Wrong Answers"</li> <li>4. Nikunj Jain</li> <li>"Quantitative Analysis of Code-Tracing Wrong Answers"</li> <li>"Delivering Hints to Students Based on Wrong Answers"</li> </ul> | Spring 2018<br>Spring 2018<br>Spring 2018<br>Fall 2016 - Summer 2017   |
| <ul> <li>5. Sreesha Venkat</li> <li>"Qualitative Analysis of Code-Tracing Wrong Answers"</li> <li>"Delivering Hints to Students Based on Wrong Answers"</li> </ul>  | Fall 2016, Spring 2017   |
| <ul> <li>6. Regina Ongowarsito</li> <li>"Qualitative Analysis of Code-Tracing Wrong Answers"</li> <li>"Delivering Hints to Students Based on Wrong Answers"</li> </ul>  | Summer 2016 - Spring 2017  |
| <ul> <li>7. Krishna Parashar</li> <li>"Qualitative Analysis of Code-Tracing Wrong Answers"</li> <li>"Delivering Hints to Students Based on Wrong Answers"</li> </ul>  | Summer 2016 - Spring 2017  |
| 8. Steven Chi, "Predicting Struggling Students from Student Answers" 9. Spenser Chiang, "OK.py Feature: Hints" 10. Hayden Sheung, "OK.py Feature: Hints"  | Spring 2016, Summer 2016<br>Spring 2016<br>Spring 2016   |
| <ul> <li>11. Kelly Liu, "Qualitative Analysis of Code-Tracing Wrong Answers"</li> <li>12. Hannah Huang, "Qualitative Analysis of Code-Tracing Wrong Answers"</li> <li>13. Michelle Tian, "Qualitative Analysis of Code-Tracing Wrong Answers"</li> </ul>  | Spring 2016<br>Fall 2015, Spring 2016<br>Fall 2015   |

### ACADEMIC SERVICE

| Duke | Linia | angitar |
|------|-------|---------|
| Duke | Unive | ersitv  |

| • Computer Science Dept. DUS Assistant Hiring Committee             | Jan 2022 - May 2022  |
|---|----------------------|
| • Computer Science Dept. Undergraduate Coordinator Hiring Committee | Jan 2022 - May 2022  |
| • Computer Science Dept. Space Committee                            | July 2020 - May 2021 |
| • Computer Science Dept. Faculty Search Committee PoP               | Aug 2019 - May 2020  |
| • Computer Science Dept. Communications Committee                   | Dec 2018 - May 2020  |
| Computer Science Advisor  | Aug 2018 - Present   |

2020-2021 year: 38 students2019-2020 year: 31 students2018-2019 year: 27 students

• College Advisor Aug 2018 - Present

2020-2021 year: 7 students2019-2020 year: 6 students2018-2019 year: 3 students

### Conference

| SIGCSE Technical Symposium Hybrid Experience Chair | 2022, 2023             |
|--|------------------------|
| SIGCSE Technical Symposium Reviewer                | 2019, 2020, 2021, 2022 |
| ICER Code of Conduct/Ethics Facilitator            | 2021, 2022             |
| ICER Reviewer                                      | 2021                   |
| Learning@Scale Reviewer                            | 2017, 2020             |

# Grant Proposal Reviewer

National Science Foundation Panelist for CISE

2018, 2021

 $\mbox{Aug}~2015$  -  $\mbox{May}~2017$ 

### External

Online Social Gathering Coordinator for CS Teacher Group
CRA-WP Table Mentor for Teaching Track Faculty Workshop
March 2021

# University of California, Berkeley

• EECS Peers

- Member

| <ul> <li>CS-Coordinator and Founder</li> </ul>                               | Aug 2013 - May 2015 |
|--|---------------------|
| • Graduate and Undergraduate Mentoring                                       | Jan 2010 - May 2017 |
| - 10 graduate and 13 undergraduate students                                  |                     |
| • Teaching Conference for First-Time GSIs, Session Facilitator               | Jan 13, 2017        |
| • Admissions Committee, Education Area Reader                                | 2016, 2017          |
| • Admissions Committee, Diversity Reader                                     | 2013, 2014          |
| • Women In Computer Science and Electrical engineering (WICSE), Co-President | Aug 2012 - May 2013 |

# University of Maryland, College Park

• Association for Women in Computing (AWC)

| - Co-Chair      | Aug 2008 - May 2009 |
|-----------------|---------------------|
| - Treasurer     | Aug 2007 - May 2008 |
| • CS Ambassador | Aug 2008 - May 2009 |
| • PRIME Scholar | Aug 2006 - Dec 2007 |

#### **TALKS**

- "Using Data Science in CS Education & What is a Teaching Professor?," University of Illinois Computer Science, Online, March 29, 2022.
- "Teaching Data Science in a Flipped Classroom by Using Data Science," Berkeley EECS, Online, March 9, 2022.
- "A Scaled Class is a Rich Class: How to approach large class data sets to drive class improvements," CS Colloquium Series, Northwestern McCormick School of Engineering, Online, May 26, 2021.
- "A Study of the Relationship Between a CS1 Student's Gender and Performance Versus Gauging Understanding and Study Tactics," ACM Technical Symposium on Computer Science Education (SIGCSE), Online, Mar 18, 2021.
- "Learning at Scale with Kristin Stephens-Martinez," #CSK8 Podcast with Jared O'Leary, Internet, Sept 28, 2020, https://jaredoleary.com/csk8feed/51
- "How to Create and Use Formative Assessments at Scale," Codio Webinar, Internet, Jul 14, 2020. https://www.codio.com/webinar-how-to-create-and-use-formative-assessments-at-scale
- "Insights from Having Students Predict their Exam Grades," Behavioral Research Informing Teaching Excellence (BRITE), Duke University, Durham, NC, Mar 4, 2020.
- "It's a Marathon, Not a Sprint: Balancing Work and Life in Grad School and Beyond," with James Mickens by CRA-WP, Grace Hopper Celebration, Orlando, FL, Oct 2, 2019.
- "Giving Hints is Complicated: Understanding the Challenges of an Automated Hint System Based on Frequent Wrong Answers," Project Search Pre-Orientation undergraduate program, Duke University, Durham, NC, Aug 7, 2019.
- "How Can Data from Large Classrooms Improve Learning?," Behavioral Research Informing Teaching Excellence (BRITE), Duke University, Durham, NC, Dec 4, 2018.
- "Teaching as a Career," Compsci 701: Introduction to Graduate Study, Duke University, Durham, NC, Nov 9, 2018.
- "Giving Hints is Complicated: Understanding the Challenges of an Automated Hint System Based on Frequent Wrong Answers," Project Search Pre-Orientation undergraduate program, Duke University, Durham, NC, Aug 13, 2018.
- "Giving Hints is Complicated: Understanding the Challenges of an Automated Hint System Based on Frequent Wrong Answers," ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE), Larnaca, Cyprus, Jul 2, 2018.
- "Taking Advantage of Scale by Analyzing Frequent Constructed-Response, Code Tracing Wrong Answers," ACM International Computing Education Research (ICER), Tacoma, WA, USA, Aug 18, 2017.
- "Monitoring MOOCs: Which information sources do instructors value?" ACM Learning At Scale (L@S), Atlanta, GA, USA, Mar 4, 2014.

### **PANELS**

- "Technology We Can't Live Without! (COVID-19 edition)." SIGCSE, Providence, RI, March 4, 2022.
- "Where Should We Go From Here? Eliminating Inequities In CS Education, Featuring Guests From The CS-Ed Podcast." (Moderator) SIGCSE, Online, March 16, 2021.
- "CS Instruction Post-Quarantine," Emerging Trends in Computer Science, Online, June 28, 2021.
- "David M. Rubenstein Scholars Spotlight Series," Duke University, July 3, 2019.

### ADDITIONAL BROADENING PARTICIPATION IN COMPUTING

• Undergraduate Teaching Assistant (UTA) Diversity Initiative

Fall 2020

• Computer Science Education Research Reading Group

Summer 2020

• Mentor female Ph.D. student from University of Florida

2020-2021

• Events Attended

- Grace Hopper

 $2009,\,2012,\,2018,\,2019,\,2020,\,2021$ 

- Tapia

2014

 $-\,$  Duke CS Discussion Panel on "Picture a Scientist" Movie

November 2020

• Faculty Lunches (flunch) with students

-2018:8

-2019:7

- 2020: 4 (Covid-19, parental leave)

- 2021: 1 (Covid-19)

-2022: 3

## **MEMBERSHIPS**

Special Interest Group on Computer Science Education (SIGCSE) Association for Computing Machinery (ACM)

2018 - Present

2008 - Present