

# Amanpreet Kapoor

MALA 4115  
Malachowsky Building,  
University of Florida (UF), USA

<https://www.cise.ufl.edu/~kapoor/>  
[kapooramanpreet@ufl.edu](mailto:kapooramanpreet@ufl.edu)  
<https://orcid.org/0000-0003-1340-8315>

## RESEARCH INTERESTS

Computing Education, Informal Education, Human-computer Interaction, Employment, Identity Formation

## ACADEMIC POSITIONS

|  |                |
|--|----------------|
| Instructional Assistant Professor, Department of Engineering Education, University of Florida, USA | Aug 20-Present |
| Affiliate, Department of Computer & Information Science & Engg., University of Florida, USA        | Dec 20-Present |
| Research Assistant, Engaging Learning Lab, University of Florida, USA                              | Oct 15-May 25  |
| Instructor of Record (Campus), University of Florida, USA  | Jan 20-Aug 20  |
| Instructor of Record (Online), University of Florida, USA  | Aug 18-Dec 19  |
| Graduate Teaching Assistant, University of Florida, USA  | Aug 17-Apr 19  |
| Undergraduate Teaching Assistant, Jaypee University of Engineering & Technology, India             | Jul 14-Dec 14  |

## EDUCATION

|   |        |
|---|--------|
| Ph.D. in Human-Centered Computing, University of Florida, USA   | May 25 |
| <i>Computing Undergraduate Students' Participation in Internships: Experiences, Preparation, &amp; Barriers</i> |        |
| Advisor: <a href="#">Dr. Christina Gardner-McCune</a>   |        |
| M.S. in Computer Science, University of Florida, USA  | May 16 |
| B.Tech. in Computer Science, Jaypee University of Engineering & Technology, India                               | May 15 |

## OTHER EMPLOYMENT

|  |               |
|--|---------------|
| Solution Developer, Deloitte Consulting LLP, Lake Mary, Florida, USA                       | Sep 16-Aug 17 |
| UI Software Engineering Intern, Siemens Healthineers, Issaquah, Washington, USA            | May 16-Aug 16 |
| Web Developer, Bridge Software Institute, University of Florida, Gainesville, Florida, USA | Dec 15-Aug 16 |

## GRANTS

|      |  |        |
|------|--|--------|
| [G3] | <i>Preparing Computing Students for Technical Interviews through Interactive Hands-on &amp; AI-assisted Learning</i> | Jan 25 |
|      | PI, Proctor & Gamble U.S. Higher Education Grant   |        |
| [G2] | <i>Preparing Computing Students for Technical Interviews through Open Educational Resources</i>                      | Jun 22 |
|      | PI, Course Transformation Grant, Center for Teaching Excellence & George A. Smathers Libraries, UF                   |        |
| [G1] | <i>CS Identity Development Interview Project</i>   | Jun 18 |
|      | Co-PI, ACM SIGCSE Special Award, Special Interest Group on Computer Science Education                                |        |
|      | Co-shared with my advisor: Dr. Christina Gardner-McCune  |        |

## AWARDS & SCHOLARSHIPS

|       |  |        |
|-------|--|--------|
| [A14] | 2024-25 EEd Teacher of the Year, Department of Engineering Education, UF                       | Feb 25 |
| [A13] | 2024 UF Faculty Career Influencer Award, Career Connections Center, UF                         | Apr 24 |
| [A12] | 2024 UF Online Educator of the Year, Center for Teaching Excellence and the Provost Office, UF | Apr 24 |
| [A11] | Exemplary course designation for COP3502 Programming Fundamentals I, UF+QM Online Courses      | Dec 23 |

*Last Updated: March 2025*

|       |   |        |
|-------|---|--------|
| [A10] | 2023 Affordable Access Award, Center for Teaching Excellence, UF                      | Apr 23 |
| [A9]  | Gartner Group Graduate Fellowship, CISE Department, UF                                | Mar 20 |
| [A8]  | University of Florida International Center Certificate of Excellence, UF              | Nov 19 |
| [A7]  | CISE Department Nominee, Outstanding Graduate Teaching Assistant Award, UF            | Apr 19 |
| [A6]  | 2nd place, ACM Student Research Competition [P4] at SIGCSE 2019, Minneapolis, USA     | Mar 19 |
| [A5]  | Graduate Teaching Assistantship for Doctoral Program, UF                              | Aug 17 |
| [A4]  | Firm Impact Award for meeting firm goals & professionalism, Deloitte Consulting, USA  | Jul 17 |
| [A3]  | Applause Award for top performance in a team of 40 analysts, Deloitte Consulting, USA | Apr 17 |
| [A2]  | Academic Achievement Award for Excellence in Academics, UF, USA                       | Aug 15 |
| [A1]  | Vice Chancellor's Gold Medal for highest GPA in CS, Jaypee University (JUET), India   | May 15 |

## TRAVEL AWARDS

|        |   |        |
|--------|---|--------|
| [TG14] | NSF Travel Grant (\$1000) to attend ACM CompEd 2023                                   | Dec 23 |
| [TG13] | CRA LEVEL UP workshop travel scholarship (\$500)                                      | Sep 23 |
| [TG12] | Stanford University Travel Grant (\$2000) to attend Embedded Ethics Conference        | May 23 |
| [TG11] | Graduate Student Council, UF (\$350) to attend ACE 2020                               | Feb 20 |
| [TG10] | ACM ITiCSE Doctoral Consortium (£450) to attend ITiCSE 2019                           | Jul 19 |
| [TG9]  | ACM IMS (\$950) to attend Interdisciplinary Summit on the Foundations of Data Science | Jun 19 |
| [TG8]  | Python Software Foundation (\$535) to attend PyCon 2019                               | May 19 |
| [TG7]  | GREAT Foundation Travel Grant (\$500) to attend SIGCSE 2019                           | Feb 19 |
| [TG6]  | Graduate Student Council, UF (\$350) to attend SIGCSE 2019                            | Feb 19 |
| [TG5]  | ACM Student Travel Grant (\$500), to attend SIGCSE 2019                               | Feb 19 |
| [TG4]  | CISE Department Travel Scholarship, UF (\$500) to attend ITiCSE 2018                  | Jul 18 |
| [TG3]  | Python Software Foundation (\$500) to attend PyCon 2018                               | May 18 |
| [TG2]  | Graduate Student Council, UF (\$350) to attend SIGCSE 2018                            | Feb 18 |
| [TG1]  | Python Software Foundation (\$200) to attend PyCon 2016                               | May 16 |

## TEACHING EXPERIENCE

### Instructional Assistant Professor at University of Florida, USA

*Responsibilities:* lead lectures, supervise TAs, create video lectures, curate content and assessments, mentor students

*Summary:* Led 3 courses, taught 6518 students, supervised 253 TA positions, and average evaluation of 4.6/5.0

| Course                         | Code    | Session | #Students | #Staff Supervised | Evaluation |
|--------------------------------|---------|---------|-----------|-------------------|------------|
| Data Structures and Algorithms | COP3530 | Sp 25   | 444       | 20                | -          |
|                                |         | Fa 24   | 595       | 29                | 4.5/5.0    |
|                                |         | Su 24   | 188       | 4                 | 4.7/5.0    |
|                                |         | Sp 24   | 408       | 21                | 4.7/5.0    |
|                                |         | Fa 23   | 574       | 25                | 4.6/5.0    |
|                                |         | Su 23   | 167       | 4                 | 4.7/5.0    |
|                                |         | Sp 23   | 407       | 18                | 4.7/5.0    |
|                                |         | Fa 22   | 464       | 20                | 4.5/5.0    |
|                                |         | Su 22   | 100       | 2                 | 4.7/5.0    |
|                                |         | Sp 22   | 315       | 14                | 4.7/5.0    |
|                                |         | Fa 21   | 408       | 17                | 4.6/5.0    |
|                                |         | Su 21   | 176       | 4                 | 4.7/5.0    |
|                                |         | Sp 21   | 247       | 12                | 4.8/5.0    |
|                                |         | Fa 20   | 345       | 14                | 4.6/5.0    |

|                                       |         |       |     |    |         |
|---------------------------------------|---------|-------|-----|----|---------|
| Data Structures and Algorithms Online | COP3530 | Sp 25 | 67  | 2  | -       |
|                                       |         | Su 24 | 41  | 1  | 4.6/5.0 |
|                                       |         | Sp 24 | 71  | 2  | 4.7/5.0 |
|                                       |         | Su 23 | 46  | 1  | 4.7/5.0 |
|                                       |         | Sp 23 | 59  | 2  | 4.7/5.0 |
|                                       |         | Su 22 | 31  | 1  | 4.8/5.0 |
|                                       |         | Su 21 | 37  | 1  | 4.7/5.0 |
|                                       |         | Sp 21 | 24  | 1  | 4.7/5.0 |
| Human-Computer Interaction            | CEN4721 | Sp 21 | 50  | 1  | 4.9/5.0 |
| Programming Fundamentals 1 Online     | COP3502 | Fa 22 | 165 | 9  | 4.3/5.0 |
|                                       |         | Sp 22 | 98  | 5  | 4.5/5.0 |
|                                       |         | Fa 21 | 151 | 8  | 4.4/5.0 |
|                                       |         | Fa 20 | 120 | 7  | 4.6/5.0 |
| Programming Fundamentals 1            | COP3502 | Fa 23 | 674 | 28 | 4.2/5.0 |
|                                       |         | Fa 20 | 46  | 2  | 4.6/5.0 |

### Instructor of Record at University of Florida, USA

*Responsibilities:* lead lectures, supervise TAs, create video lectures, curate content and assessments, give feedback

*Summary:* Led 2 courses, taught 284 students, supervised 5 TA positions, and average evaluation of 4.8/5.0

| Course                                | Code    | Session | #Students | #Staff Supervised | Evaluation |
|---------------------------------------|---------|---------|-----------|-------------------|------------|
| Data Structures and Algorithms        | COP3530 | Su 20   | 145       | 3                 | 4.8/5.0    |
| Programming Fundamentals 1            | COP3502 | Sp 20   | 49        | 2                 | 4.7/5.0    |
| Data Structures and Algorithms Online | COP3530 | Fa 19   | 24        | -                 | 4.7/5.0    |
|                                       |         | Su 19   | 23        | -                 | 5.0/5.0    |
|                                       |         | Sp 19   | 22        | -                 | 4.6/5.0    |
|                                       |         | Fa 18   | 21        | -                 | 4.9/5.0    |

### Graduate Teaching Assistant at University of Florida, USA

*Responsibilities:* lead discussion sessions, curate content and assessments, give feedback, supervising staff

| Course                         | Code    | Session | #Students |
|--------------------------------|---------|---------|-----------|
| Data Structures and Algorithms | COP3530 | Sp 19   | 33        |
|                                |         | Fa 18   | 54        |
|                                |         | Su 18   | 74        |
|                                |         | Sp 18   | 48        |
| Software Engineering           | CEN3031 | Fa 17   | 60        |

### Undergraduate Teaching Assistant at Jaypee University of Engineering & Technology, India

*Responsibilities:* designed the course homework, projects and resolved the difficulties encountered by students

| Course             | Code    | Session | #Students |
|--------------------|---------|---------|-----------|
| Web Technology Lab | COP3530 | Fa 14   | 54        |

## REFEREED JOURNAL PAPERS

- [J1] IEEE Transactions on Education 21 Effects of a Block-based Scaffolded Tool on Students' Introduction to Hierarchical Data Structures  
*Feijóo García, P., Kapoor, A., Gardner-McCune, C. & Ragan, E.*  
<https://doi.org/10.1109/TE.2021.3109604>

**Note:** In computer science, conferences are top-tier publishing venues, with selectivity and impact often exceeding journals (<https://cra.org/resources/best-practice-memos/evaluating-computer-scientists-and-engineers-for-promotion-and-tenure/>).

| Conference abbr. | Full Conference Title   |
|------------------|---|
| ASEE             | American Society for Engineering Education Annual Conference and Exposition |
| SIGCSE           | Technical Symposium on Computer Science Education                           |
| ACE              | Australasian Computing Education Conference                                 |
| ITiCSE           | Conference on Innovation and Technology in Computer Science Education       |
| UXPA             | User Experience Professionals Association (UXPA) International Conference   |
| VL/HCC           | IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)     |
| IVA              | ACM International Conference on Intelligent Virtual Agents                  |
| CHI              | ACM CHI Conference on Human Factors in Computing Systems                    |
| IDC              | ACM Interaction Design and Children Conference                              |

## REFEREED FULL CONFERENCE PAPERS

- [C17] ACM ITiCSE 25 Retrospective Evaluation of Technical Interview Preparation Activities offered in a Data Structures and Algorithms Course  
*Kapoor, A., & Gardner-McCune, C.*
- [C16] ASEE 2025 Exploring the Impact of Student-Created Review Videos in Two Early Computing Courses  
*Tressler, C., Cruz Castro, L., Kapoor, A. & Blanchard, J.*
- [C15] ACM SIGCSE 25 NeuRL: A Standalone No-Code Web-Based Agent Environment to Explore Neural Networks and Reinforcement Learning  
*Siegel, S., Kapoor, A., Rashidi, P.*  
<https://doi.org/10.1145/3641554.3701850>
- [C14] ACM CompEd 23 Where's the Data? Finding and Reusing Datasets in Computing Education.  
*Kiesler, N., Impagliazzo, J., Biernacka, K., Kapoor, A., Kazmi, Z., Ramagoni, S.G., Sane, A., Tran, K., Taneja, S. and Wu, Z.*  
<https://doi.org/10.1145/3598579.3689378>
- [C13] ASEE 2023 Computing students' design preferences and barriers when solving short programming problems  
*Hardin, J., Diaz, M. & Kapoor, A.*  
<https://peer.asee.org/43292>
- [C12] ACM SIGCSE 23 Logistics, Affordances, and Evaluation of Build Programming: A Code Reading Instructional Strategy  
*Kapoor, A., Xie, T., Kwan, L. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569756>
- [C11] ACM SIGCSE 23 Implementation and Evaluation of Technical Interview Preparation Activities in a Data Structures and Algorithms Course  
*Kapoor, A., Panchal, S. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569755>
- [C10] ACM SIGCSE 23 Modeling Determinants of Undergraduate Computing Students' Participation in Internships  
*Wolf, M., Kapoor, A., Xie, T., Kwan, L. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569754>
- [C9] Koli Calling 22 Categorizing Research on Identity in Undergraduate Computing Education  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3564721.3565948>
- [C8] ASEE 2021 Reflection and Transformational Learning in a Data Structures Class  
*Resch, C., Gardner-McCune, C., & Kapoor A.*

- [C7] ACM SIGCSE 20 Exploring the Participation of CS Undergraduate Students in Industry Internships  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3328778.3366844>
- [C6] ACM ACE 20 Barriers to Securing Industry Internships in Computing  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3373165.3373181>
- [C5] ACM ITiCSE 19 Understanding CS Undergraduate Students' Professional Identity through the lens of their Professional Development  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3287324.3287408>
- [C4] ACM SIGCSE 19 Understanding CS Undergraduate Students' Professional Development through the Lens of Internship Experiences  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3287324.3287408>
- [C3] ACM ITiCSE 18 Modelling Competencies for Computing Education beyond 2020: A Research Based Approach to Defining Competencies in the Computing Disciplines  
*Frezza, S., Daniels, M., Pears, A., Cajander, Å., Kann, V., Kapoor, A., McDermott, R., Peters, A.K., Sabin, M. & Wallace, C.*  
<https://doi.org/10.1145/3293881.3295782>
- [C2] ACM ITiCSE 18 Considerations for Switching: Exploring Factors behind CS Students' Desire to Leave a CS Major  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3197091.3197113>
- [C1] ACM SIGCSE 18 Understanding Professional Identities and Goals of Computer Science Undergraduate Students  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3159450.3159474>


## DOCTORAL CONSORTIUM

- [D1] ACM ITiCSE 19 A Grounded Theory of Computing Professional Identity Formation  
*Kapoor, A.*  
<https://doi.org/10.1145/3304221.3325598>

## REFEREED SHORT CONFERENCE PAPERS

- [SC4] ACM CompEd 23 Where's the Data? Exploring Datasets in Computing Education.  
*Kiesler, N., Impagliazzo, J., Biernacka, K., Kapoor, A., Kazmi, Z., Ramagoni, S.G., Sane, A., Tran, K., Taneja, S. and Wu, Z.*  
<https://doi.org/10.1145/3617650.3624951>
- [SC3] ACM ITiCSE 22 Eliciting Course Feedback through a Bug Bounty Program  
*Kapoor, A., Penton, A., and Pierpont, H.*  
<https://doi.org/10.1145/3502717.3532159>
- [SC2] ACM ITiCSE 21 Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course  
*Kapoor, A., and Gardner-McCune, C.*  
<https://doi.org/10.1145/3456565.3460033>
- [SC1] ACM ITiCSE 18 Modeling Global Competencies for Computing Education  
*Frezza, S., Pears, A., Daniels, M., Kann, V., Kapoor, A., McDermott, R., Peters, A.K., Wallace, C., Sabin, M. and Cajander, Å.*  
<https://doi.org/10.1145/3197091.3205844>

## REFEREED POSTERS

- [P6] ACM SIGCSE 24 Understanding Undergraduate Students' Participation in Computing Clubs  
*Nelson, B., **Kapoor, A.**, & Gardner-McCune, C.*  
<https://doi.org/10.1145/3626253.3635394>
- [P5] UXPA 19 Understanding Aspiring UX Professionals' Professional Development.  
***Kapoor, A.**, & Gardner-McCune, C.*
- [P4] ACM SIGCSE 19  Deconstructing Successful and Unsuccessful Computer Science Undergraduate Interns  
***Kapoor, A.***  
<https://doi.org/10.1145/3287324.3293711>
- [P3] ACM IVA 18 Assessing the Impact of Virtual Human's Appearance on Users' Trust Levels.  
*Zalake, M., Woodward, J., **Kapoor, A.** and Lok, B.*  
<https://doi.org/10.1145/3267851.3267863>
- [P2] IEEE VL/HCC 18 Usability Challenges that Novice Programmers Experience when Using Scratch for the First Time.  
*Jimenez, Y., **Kapoor, A.**, & Gardner-McCune, C.*  
<https://doi.org/10.1109/VLHCC.2018.8506560>
- [P1] ACM SIGCSE 18 Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  
***Kapoor, A.**, & Gardner-McCune, C.*  
<https://doi.org/10.1145/3159450.3162322>

## REFEREED DEMOS

- [X1] ACM SIGCSE 25 Edugator: An AI-enabled Tool for Creating and Delivering Interactive Computing Content  
*Diaz, M., Karp, D., Tuli, P. & **Kapoor, A.***  
<https://doi.org/10.1145/3641555.3705025>  
<https://edugator.app/>

## PAPER PRESENTATIONS

|        |                               |   |        |
|--------|-------------------------------|---|--------|
| [Pr11] | SIGCSE 23, Online             | Logistics, Affordances, and Evaluation of Build Programming: A Code Reading Instructional Strategy                | Mar 23 |
| [Pr10] | SIGCSE 23, Online             | Modeling Determinants of Undergraduate Computing Students' Participation in Internships                           | Mar 23 |
| [Pr9]  | Koli Calling 22, Online       | Categorizing Research on Identity in Undergraduate Computing Education  | Nov 22 |
| [Pr8]  | ITiCSE 22, Online             | Eliciting Course Feedback through a Bug Bounty Program  | Jul 22 |
| [Pr7]  | ITiCSE 21, Online             | Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course                 | Jul 21 |
| [Pr6]  | SIGCSE 20, Online             | Exploring the Participation of CS Undergraduate Students in Industry Internships                                  | Mar 20 |
| [Pr5]  | ACE 20, Melbourne, Australia  | Barriers to Securing Industry Internships in Computing  | Feb 20 |
| [Pr4]  | ITiCSE 19, Aberdeen, Scotland | Understanding CS Undergraduate Students' Professional Identity through the lens of their Professional Development | Jul 19 |
| [Pr3]  | SIGCSE 19, Minneapolis, USA   | Understanding CS Undergraduate Students' Professional Development through the Lens of Internship Experiences      | Mar 19 |
| [Pr2]  | ITiCSE 18, Larnaca, Cyprus    | Considerations for Switching: Exploring Factors behind CS Students' Desire to Leave a CS Major                    | Jul 18 |

|       |                           |  |        |
|-------|---------------------------|--|--------|
| [Pr1] | SIGCSE 18, Baltimore, USA | Understanding Professional Identities and Goals of Computer Science Undergraduate Students | Feb 18 |
|-------|---------------------------|--|--------|

## POSTER PRESENTATIONS

|       |                               |  |        |
|-------|-------------------------------|--|--------|
| [Ps4] | ITiCSE 19, Aberdeen, Scotland | A Grounded Theory of Computing Professional Identity Formation   | Jul 19 |
| [Ps3] | UXPA 19, Scottsdale, USA      | Understanding Aspiring UX Professionals' Professional Development                                      | Jun 19 |
| [Ps2] | SIGCSE 19, Minneapolis, USA   | Deconstructing Successful & Unsuccessful Computer Science Undergraduate Interns                        | Mar 19 |
| [Ps1] | SIGCSE 18, Baltimore, USA     | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities | Feb 18 |

## OTHER PRESENTATIONS/TALKS/CREATIVE WORKS

|       |  |   |        |
|-------|--|---|--------|
| [T12] | AI Day's Lightning Talk, UF  | EduGator: An AI-enabled Tool for Creating and Delivering Interactive Computing Content  | Oct 24 |
| [T11] | UF Student Science Training Program (SSTP)                         | Don't get stuck. Imagine, Explore, Do! – Opportunities for Exploring Computing <b>[Invited Talk]</b>  | Jul 23 |
| [T10] | TechByte, UF Information Technology                                | Streamline Grading with Gradescope<br><i>Maness, Heather, Sharp, C., Cruz Castro, L. &amp; Kapoor, A.</i>   | Apr 23 |
| [T9]  | ACM SIGCSE 2023  | Spiffy Peer Instruction Questions, Special Session – Peer Instruction Question on Data Structures and Algorithms  | Mar 23 |
| [T8]  | ACM COMPUTE Conference, Delhi, India                               | Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course <b>[Invited Talk]</b>   | Nov 21 |
| [T7]  | Cross Cultural Engineering Seminar, UF and Kyoto University        | Human-Centered Design Seminar - Creating Cross Cultural Solutions in Service of People: Using the Human Centered Design Process to Meet the Need of a User<br><i>Goncher, A. &amp; Kapoor, A.</i> | Oct 21 |
| [T6]  | The UF Faculty and Staff Symposium, Career Connections Center, UF  | Lessons from Students Experiences Outside of the Classroom<br><i>Gardner-McCune, C., &amp; Kapoor, A.</i>   | Mar 20 |
| [T5]  | Emerging Leaders in Science Policy & Advocacy Memo 19              | Establishing a K-12 AI Teacher Training Program in Florida via Public-Private Partnerships<br><i>Rader, P., Walther, A., &amp; Kapoor, A.</i>   | Apr 19 |
| [T4]  | Future of Florida Summit, Bob Graham Center for Public Service, UF | Bus to Success: Using Spatial Econometrics to Reduce Poverty in Gainesville, Florida  | Feb 19 |
| [T3]  | CMU LearnLab Summer School 18                                      | Categorizing and Predicting Learners in an Introductory Programming Course offered through Open-Learning Initiative   | Aug 18 |
| [T2]  | 13th Annual Conference of Social Sciences, UF                      | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |
| [T1]  | Graduate Student Research Day, UF                                  | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |

## SERVICE (REVIEWING ACTIVITY)

|   |  |
|---|--|
| Associate Program Chair,  |  |
| ACM SIGCSE Conference 2025: <i>Posters Track</i>                        | Nov 24   |
| ACM SIGCSE Conference 2024: <i>Posters Track</i>                        | Oct 23   |
| ACM SIGCSE Conference 2022: <i>Experience Reports &amp; Tools Track</i> | Sep 21   |
| Invited Reviewer,   |  |
| Taylor & Francis, Computer Science Education Journal                    | Jan 24, Dec 24                                 |
| ACM CHI Conference 2024: <i>Research Paper Track</i>                    | Oct 23   |
| Research in Science & Technological Education Journal                   | Nov 22, Sep 22                                 |
| ACM Transactions on Computing Education (TOCE) Journal                  | Sep 20, Feb 21, Aug 21, Jan 22, Feb 23, Mar 24 |
| ACM Interaction Design and Children (IDC) 2021 Conference               | Feb 21   |
| ACM CHI Conference 2021: <i>Late Breaking Works</i>                     | Jan 21   |
| Reviewer,   |  |
| ACM SIGCSE Conference 2019-2021   | Aug 18, Oct 19, Sep 20, Oct 21                 |
| ACM ITiCSE Conference 2019-2022   | Mar 19, Jan 21, Jan 22                         |
| CCSC Northwestern Regional Conference                                   | Jul 21   |
| Graduate Student Council, UF: <i>Travel Grants</i>                      | Nov 17, Mar 18, Nov 18, Nov 19                 |
| UXPA (User Experience Professionals Association) Conference             | Nov 18   |

## SERVICE (UNIVERSITY)

|  |                |
|--|----------------|
| Southern Association of Colleges and Schools (SACS) Accreditation Chair, CISE Department, UF | Aug 23-Present |
| Member, Career Connections Center Advisory Committee, UF                                     | Sep 22-Present |
| Instructional Faculty Search Committee Member, CISE Department, UF                           | Mar 23-Present |
| Assessments Committee Member, Engineering Education Department, UF                           | Aug 22-Present |
| Faculty Advisor, Quant Club, UF  | Aug 23-Present |
| Faculty Advisor, Software Engineering Club, UF   | Aug 21-Present |
| Marshal, College of Engineering Commencement   | May 23, May 24 |
| Invited Judge, WiNGHacks Hackathon, UF   | Apr 24         |
| Invited Judge, 2024 Affordable Access Award, Center for Teaching Excellence, UF              | Mar 24         |
| Faculty Search Committee Member, Engineering Education Department, UF                        | Apr 23-Aug 23  |
| SACS Accreditation Coordinator, CISE Department, UF  | Aug 22-Jul 23  |
| Invited Judge, Swampacks Hackathon, UF   | Jan 22         |
| Curriculum Committee Member, Engineering Education Department, UF                            | Aug 20-Jul 22  |

## SERVICE (CONFERENCES)

|   |                |
|---|----------------|
| Junior Chair of Affiliated Events, ACM SIGCSE 2026 Conference                                 | Mar 25-Present |
| Co-Chair, Posters, Panels and Tips, Techniques & Courseware Track, ACM ITiCSE 2025 Conference | Aug 24-Present |
| Session Chair, ACM SIGCSE TS Conference   | Mar 24, Feb 25 |
| Senior Chair of Evaluations, ACM SIGCSE 2024 Conference                                       | Jul 23-Jul 24  |
| Junior Chair of Evaluations, ACM SIGCSE 2023 Conference                                       | Apr 22-Jun 23  |
| Session Chair, RESPECT 2020 Conference  | Mar 20         |
| Session Runner, PyCon 2018 Conference, Cleveland  | May 18         |
| Evaluation Chair, Florida Society of Social Sciences Annual Conference, UF                    | Aug 17-Apr 18  |
| Volunteer, SIGCSE 2018 Conference, Baltimore, Maryland  | Feb 18         |



## SERVICE (OTHERS)

|   |               |
|---|---------------|
| Co-Lead and member, Software & GUI Team, Gatorloop, UF                                  | Jul 19-Nov 19 |
| Co-Treasurer, Florida Society of Social Sciences, UF                                    | May 18-Apr 19 |
| Organizing Committee Member, HCC Department Monthly Meetings, UF                        | Aug 17-Nov 18 |
| Curriculum Board Advisor for UF TYPE Initiative (Teaching Youth Programming Essentials) | Aug 17-Dec 17 |
| Employer Relations Ambassador, Career Resource Center, UF                               | Aug 15-May 16 |
| Lead Creative, Google Student Community, JUET, India                                    | Jul 13-Jun 14 |

## UNDERGRADUATE RESEARCH MENTORING (BY PROJECTS)

|       |   |  |
|-------|---|--|
| [M14] | Evaluating the efficacy of mock interviews in Data Structures course<br><i>Shobha Ratnam Priya</i>  | Aug 24-Dec 24  |
| [M13] | WiNG.it - Behavioral Interview Preparation<br><i>Rachel Pu</i><br><i>Chelsea Nguyen</i>   | Aug 24-Present<br>Aug 24-Present   |
| [M12] | Help-seeking behaviors of students that attend drop-in tutoring for CISE courses<br><i>Esse Ciego</i><br><i>Skyler Steiert</i>  | Aug 24-Present<br>Aug 24-Present   |
| [M11] | Predicting Student Participation in Industry Internships<br><i>Kristen Moy</i><br><i>Divya Verma</i><br><i>Wyatt Harris</i>   | Jan 24-Present<br>Jan 24-Present<br>Jan 24-Present   |
| [M10] | Assessing student needs and misconceptions in Data Structures courses<br><i>Emily Jiji</i>  | Aug 23-Dec 23  |
| [M9]  | Skillbit: Platform for hosting Web Development related Technical Interviews<br><i>David Noguera</i><br><i>Daniel Lai</i><br><i>Tyler Haisman</i><br><i>Blake Rand</i><br><i>Matthew Jung</i>              | Aug 23-Present<br>Aug 23-Present<br>Aug 23-Present<br>Aug 23-Present<br>Aug 23-Dec 23              |
| [M8]  | Developing Open Educational Resources for Technical Interviews<br><i>Meaghan Estrada</i><br><i>Matthew DeGuzman</i>   | Jan 23-May 23<br>Jan 23-May 23   |
| [M7]  | Identifying and nudging at-risk students in computing courses<br><i>Adrien Chen</i><br><i>Matthew Marchio</i>   | Aug 22-May 24<br>Aug 22-Dec 22   |
| [M6]  | Evaluating Technical Interview Preparation Activities [C11]<br><i>Sajani Panchal</i>  | May 22-Apr 23  |
| [M5]  | Build Programming: an instructional strategy for scaffolding code reading [C12]<br><i>Leon Kwan</i><br><i>Tianwei Xie</i>   | Jan 22-Mar 23<br>Jan 22-Mar 23   |
| [M4]  | Edugator: Platform for running short programming problems [C13]<br><i>Joseph Hardin</i><br><i>Daniel Lai</i><br><i>Blake Rand</i><br><i>Matthew Jung</i><br><i>Dustin Karp</i><br><i>Maeloni Pompilio</i> | May 21-Jun 23<br>Jan 23-Apr 23<br>Jan 23-Apr 23<br>Jan 23-Apr 23<br>Aug 22-Apr 23<br>Aug 22-Dec 22 |

|      |  |   |
|------|--|---|
|      | <i>Kunyao Wang</i>   | May 21-Aug 21                                   |
| [M3] | Eliciting Course Feedback through a Bug Bounty Program <a href="#">[SC3]</a><br><i>Andrew Penton</i><br><i>Hamish Pierpont</i>   | Aug 21-Dec 21<br>Aug 21-Dec 21                  |
| [M2] | CSEd@Clubs: An ethnographic investigation of students' learning in Computing Clubs <a href="#">[P6]</a><br><i>Brooke Nelson</i><br><i>Charlie Hobson</i><br><i>Beatrice Villanueva</i> | May 23-Mar 24<br>Jan 20-May 20<br>Aug 19-Dec 19 |
| [M1] | Modeling learners in an Introductory Programming Course<br><i>David Fussell</i>  | Nov 18-Oct 19                                   |

## SENIOR PROJECTS SUPERVISED

|       |  |               |
|-------|--|---------------|
| [S22] | Hydration<br><i>Prayuj Tuli, Ty Halpen</i>   | Aug 24-Dec 24 |
| [S21] | Balance Buddy<br><i>Sofia Celestrin, William Garcia, Lindsey Hannah, Alex Hu</i>   | Aug 24-Dec 24 |
| [S20] | Gator Library: E-learning Video Platform<br><i>Robert Fontan, Aryan Talekar, Sammy Masri, Neha Kallamvalli</i>   | Jan 24-Apr 24 |
| [S19] | Prettier-er: A Customizable Prettier VS Code Plugin for improving Code Quality<br><i>Adrien Chen, Lauren Bartyczak, Joshua Hughes, Sajani Panchal, and Syed Abbas Shah</i>   | Jan 24-Apr 24 |
| [S18] | The DSA Duckies – Guppie Grader: Using LLMs to grade project code analysis reports.<br><i>Kevin Allen, Benjamin (Benny) Cortese, Alexander (Alex) Duffaut, Yair Temkin</i>   | Jan 24-Apr 24 |
| [S17] | VAC.JS: utility tools for assessments and improving accessibility in e-learning<br><i>Alyssa LaSalle, Colbi Hopkins, Jenny Evans, Samantha Barthelemy, Valentina Aguilar</i> | Aug 23-Dec 23 |
| [S16] | ParticiGator: Web and mobile platform for promoting and assessing engagement in CISE discussions<br><i>Julia Harbord, Robin Fintz, Andrew Penton</i>                         | Jan 23-Apr 23 |
| [S15] | Metaverse: Tool to develop self-regulation in students via nudge techniques<br><i>Cameron Kozlin, Daniel Lewis, Parker Romero</i>  | Jan 23-Apr 23 |
| [S14] | EduGator: Study Guide Enhancements<br><i>Maggie Tieu, Katrina Erillo, Vida Tonkova</i>   | Jan 23-Apr 23 |
| [S13] | EduGator: Multi-Language Programming Support<br><i>Nitin K. Ramadoss, Herman A. Gonzalez, Jose A. Cabrera</i>  | Jan 23-Apr 23 |
| [S12] | Webosity: Platform for learning Web Fundamentals<br><i>Maanasi Vadlamani, Emily Kelsey, Chris Henesy</i>   | Aug 22-Dec 22 |
| [S11] | Modeling Determinants of Securing Industry Internships in Computing <a href="#">[C10]</a><br><i>Megan Wolf</i>   | Jan 22-Apr 22 |
| [S10] | MediaTrackerr A Web Application for Storing Book Media Inventory and Information<br><i>Sijia Li, Jada Allen, Emily Arnold, David Rowe, and Daniel Giampaolo</i>              | Jan 22-Apr 22 |
| [S9]  | Gator.sol – Blockchain Education Senior Project<br><i>Colin Naehr, Jack Driscoll, Kyle Strout, and Connor Wilson</i>   | Jan 22-Apr 22 |
| [S8]  | EduGator Database Migration and Template Generation<br><i>John Dillon, Lindsay Dobrie, Jahdiel Suarez, Andrew Whigham, and Abdullah Yuksel</i>                               | Jan 22-Apr 22 |
| [S7]  | Interactive, WYSIWYG Learning Content on the EduGator Platform<br><i>Robert McAdam and Dominik Andrzejczyn</i>   | Jan 22-Apr 22 |
| [S6]  | EduGator Admin: Coding Problem Management and Grading Application  | Aug 21-Dec 21 |

*Marc Diaz, Tanner Ropp, Hamish Pierpont, Dhruv Patel, Josh Dargan, Adrian Salazar*

|      |   |               |
|------|---|---------------|
| [S5] | GatorNexus: A Tool for Visualizing Computing Internships<br><i>Abinai Pasunuri, Roberto Pantoja Bacallao, and Ricardo Golac Barriga</i>                         | Jan 21-Apr 21 |
| [S4] | Creating Connections: Testing Virtual Reality in Classroom Interaction<br><i>Joseph Gravelle, Caleb Steinmetz, Andrew Helms, Kiara Kubo, and Valerie Prater</i> | Jan 21-Apr 21 |
| [S3] | A Smart Blocker for Flexible YouTube Distraction Blocking<br><i>George Kolasa</i>   | Jan 21-Apr 21 |
| [S2] | Interactive Battleship Game<br><i>Peyton Marinelli, Mark Lawrence, Alexis Vega, Michael Wollenhaupt, and Fouad Diff</i>   | Jan 21-Apr 21 |
| [S1] | Modeling CS Identities to Determine Employability in Industry Internships <a href="#">[C10]</a><br><i>Charlie Hobson</i>  | Aug 20-Dec 20 |

## UNDERGRADUATE HONORS THESIS

|      |   |        |
|------|---|--------|
| [H8] | Augmented Reality in Public Safety: Exploring Spatial Cognition with HoloLens2 for Enhanced First Responder Coordination<br><i>Haohui Bao</i> | Apr 24 |
| [H7] | GitHub in the Classroom: Exploring Documentation Enhancement Through Hands-On Experience <b>(Chair)</b><br><i>Sara Osmanovic</i>              | Apr 24 |
| [H6] | Nudge Reminder - Investigating the Efficacy of Nudge Emails on Student Performance <b>(Chair)</b><br><i>Adrien Chen</i>                       | Apr 24 |
| [H5] | Simulating Material Removal of Magnetic Field-Assisted Finishing<br><i>Dylan Rautenstrauch</i>  | Apr 24 |
| [H4] | Unveiling the Pedagogical Potential of ChatGPT: A Comprehensive Study in UF's CISE Dept.<br><i>Christina Kohlbeck</i>                         | Apr 24 |
| [H3] | Optimal supervised reduction of high dimensional feature spaces in cancer transcriptomics<br><i>Richard Bailey</i>                            | Apr 23 |
| [H2] | STEM DAO: The future of STEM education <b>(Chair)</b><br><i>Relly Valentine</i>   | Dec 22 |
| [H1] | Analyzing the Impact of Homework Submission Times on Student Performance in an Introductory Programming Course<br><i>Samia Gilani</i>         | Dec 21 |

## INDIVIDUAL STUDIES SUPERVISED / OTHER COURSES

|      |   |        |
|------|---|--------|
| [O2] | L3Harris Technologies Internship UF Advisor<br><i>Alexia Martin</i>     | Dec 21 |
| [O1] | UF Otolaryngology Patient Education Application<br><i>Dhrubo Mondal</i> | Apr 21 |

## WORKSHOPS/WORKING GROUPS

|  |        |
|--|--------|
| Selected for CRA Level Up Workshop on managing rising enrollments in computing, Atlanta, Georgia | Sep 23 |
| Selected for Peer instruction workshop, University of Michigan                                   | Jun 22 |
| Selected for Bridges Data Structures Summer workshop, University of North Carolina, Charlotte    | May 22 |
| Selected for the Peer Teaching Summit, ACM SIGCSE 2022   | Mar 22 |
| Completed the <i>First Year Faculty Teaching Academy Workshop</i> , UF                           | Aug 21 |
| Co-led the <i>Introduction to GUI Workshop</i> , Gatorloop, UF                                   | Sep 19 |

*Last Updated: March 2025*

|  |        |
|--|--------|
| Led the <i>Resume and CV workshop</i> , Intelligent Multimodal Human-Computer Interaction for Undergraduates Program, UF | Jul 19 |
| Selected for SIGCSE '19 workshop, <i>Integrating accessibility into Computer Science</i>                                 | Feb 19 |
| Selected for Working Group, Future of Florida Summit '19: The Bob Graham Center for Public Service, UF                   | Feb 19 |
| Selected for Working Group, <i>Modeling Global Competencies for Computing Education</i> , ITiCSE '18                     | Jun 18 |

## PANELS

|   |        |
|---|--------|
| Invited Panelist, <i>Leadership, community, and innovation in engineering</i> , 2024 Flagship Leadership Summit, UF         | Oct 24 |
| Invited Panelist, <i>Understanding How UF is Preparing Students for Tomorrow's Workforce</i> , Career Connection Center, UF | Jun 24 |
| Invited Panelist, <i>Forming our Identities through Networking and Development</i> , UF                                     | Aug 22 |
| Panelist, <i>Cross-Cultural Education in Engineering</i> , SwampCon 2021, Florida   | May 21 |
| Invited Panelist, <i>HCI jobs in Academia</i> , Human-Centered Computing, UF  | Apr 21 |
| Invited Panelist, <i>Prospects of New Technologies during Pandemic Situation</i> , Jaypee University, India                 | Jun 20 |
| Invited Panelist, <i>Perspectives on Grad School: A Panel Discussion</i> , Career Connection Center, UF                     | Oct 19 |
| Invited Panelist, <i>Student Leadership Panel</i> , Career Success Institute (CSI), UF                                      | Oct 19 |
| Panelist, <i>Internships in Human-Centered Computing</i> , Human-Centered Computing, UF                                     | Apr 19 |
| Moderator, <i>When I was a Grad Student...</i> , Human-Centered Computing Group, UF   | Nov 18 |
| Invited Panelist, <i>Student Experiences in Graduate School</i> , Engg. Graduate Student Council, UF                        | Aug 18 |

## GUEST LECTURES

|   |        |
|---|--------|
| Moving the Needle: Harnessing Data to Drive Teaching, CS Teaching and Learning                  | Nov 24 |
| Introduction to Standard Template Library and Constructs in C++, Data Structures and Algorithms | Jun 18 |