

# Amanpreet Kapoor

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## RESEARCH INTERESTS

Computing Education, Informal Education, Human-computer Interaction, Future of Work, Employment, Identity Formation

## ACADEMIC POSITIONS

Affiliate Lecturer, Department of Computer & Information Science & Engg., University of Florida, USA	Dec 20-Present
Lecturer, Department of Engineering Education, University of Florida, USA	Aug 20-Present
Research Assistant, Engaging Learning Lab, University of Florida, USA	Oct 15-May 16, Aug 17-Present
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	Aug 17-May 22 (Expected)
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, Orlando, 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, USA	Dec 15-Aug 16

## GRANTS

[G1] ACM SIGCSE Special Award, CS Identity Development Interview Project (\$3,078) Co-shared with my advisor: Dr. Christina Gardner-McCune	Jun 18
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## AWARDS & SCHOLARSHIPS

[A9] Gartner Group Graduate Fellowship, CISE Department, UF, USA	Mar 20
[A8] University of Florida International Center Certificate of Excellence, UF, USA	Nov 19
[A7] CISE Department Nominee, Outstanding Graduate Teaching Assistant Award, UF, USA	Apr 19
[A6] 2nd place, ACM Student Research Competition [P4] at SIGCSE 2019, Minneapolis, USA	Mar 19
[A5] Graduate Teaching Assistantship for Doctoral Program, University of Florida, USA	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, University of Florida, USA	Aug 15
[A1] Vice Chancellor's Gold Medal for highest GPA in CS, Jaypee University (JUET), India	May 15

## TRAVEL AWARDS

[TG11]	Graduate Student Council, University of Florida (\$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, University of Florida (\$350) to attend SIGCSE 2019	Feb 19
[TG5]	ACM Student Travel Grant (\$500), to attend SIGCSE 2019	Feb 19
[TG4]	CISE Department Travel Scholarship, University of Florida (\$500) to attend ITiCSE 2018	Jul 18
[TG3]	Python Software Foundation (\$500) to attend PyCon 2018	May 18
[TG2]	Graduate Student Council, University of Florida (\$350) to attend SIGCSE 2018	Feb 18
[TG1]	Python Software Foundation (\$200) to attend PyCon 2016	May 16

## TEACHING EXPERIENCE

### Lecturer at University of Florida, USA

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

Course	Code	Session	#Students	#Staff Supervised	Evaluation
Data Structures and Algorithms	COP3530	Fa 20	345	14	4.6/5.0
Programming Fundamentals 1 Online	COP3502	Fa 20	120	7	4.6/5.0
Programming Fundamentals 1	COP3502	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

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
Data Structures and Algorithms Online	COP3530	Su 19	23	-	5.0/5.0
Data Structures and Algorithms Online	COP3530	Sp 19	22	-	4.6/5.0
Data Structures and Algorithms Online	COP3530	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
Data Structures and Algorithms	COP3530	Fa 18	54
Data Structures and Algorithms	COP3530	Su 18	74
Data Structures and Algorithms	COP3530	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 FULL CONFERENCE PAPERS

- [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> *Acceptance Rate: 31%*
- [C6] ACM ACE 20 Barriers to Securing Industry Internships in Computing  
**Kapoor, A.**, & Gardner-McCune, C.  
<https://doi.org/10.1145/3373165.3373181> *Acceptance Rate: 45%*
- [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> *Acceptance Rate: 27%*
- [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> *Acceptance Rate: 32%*
- [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> *Acceptance Rate: 29%*
- [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> *Acceptance Rate: 35%*

## 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

- [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

- [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>

## UNREFEREED POSTERS

- [Po1] CMU LearnLab Categorizing and Predicting Learners in an Introductory Programming Course offered  
Summer through Open-Learning Initiative.  
School 18 **Kapoor, A** & Gupta, S.

## OTHER PRESENTATIONS/TALKS

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| The UF Faculty and Staff Symposium, Career Connections Center, UF  | Lessons from Students Experiences Outside of the Classroom<br>Christina Gardner-McCune and Amanpreet Kapoor                                   | Mar 20 |
| Emerging Leaders in Science Policy & Advocacy Memo 19              | Establishing a K-12 AI Teacher Training Program in Florida via Public-Private Partnerships<br>Paul Rader, Angela Walther and Amanpreet Kapoor | Apr 19 |
| 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 |
| CMU LearnLab Summer School 18                                      | Categorizing and Predicting Learners in an Introductory Programming Course offered through Open-Learning Initiative                           | Aug 18 |
| 13th Annual Conference of Social Sciences, UF                      | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |
| Graduate Student Research Day, UF                                  | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |

## PROFESSIONAL SERVICE

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| Invited Reviewer, ACM Transactions on Computing Education (TOCE): <i>Journal Paper</i> | Sep 20                         |
| Reviewer, ACM SIGCSE 21: <i>Conference Papers</i>                                      | Sep 20                         |
| Reviewer, ACM SIGCSE 20: <i>Posters</i>  | Oct 19                         |
| Reviewer, ACM ITiCSE 19: <i>Posters</i>  | Mar 19                         |
| Reviewer, Graduate Student Council, University of Florida: <i>Travel Grants</i>        | Nov 17, Mar 18, Nov 18, Nov 19 |
| Reviewer, UXPA (User Experience Professionals Association) Conference                  | Nov 18                         |
| Reviewer, ACM SIGCSE 19: <i>Conference Papers, Nifty Assignments, and Panels</i>       | Aug 18                         |

## LEADERSHIP AND COMMUNITY EXPERIENCE

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|---|---------------|
| Session Chair, Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT 2020) Conference | Mar 20        |
| Member and Co-Lead, Software & GUI Team, Gatorloop, University of Florida   | Jul 19-Nov 19 |

Co-Treasurer, Florida Society of Social Sciences, University of Florida	May 18-Apr 19
Committee Chair, HCC Department Monthly Meetings, University of Florida	Aug 17-Nov 18
Session Runner (Volunteer), PyCon 2018, Cleveland	May 18
Evaluation Chair, Florida Society of Social Sciences, University of Florida	Aug 17-Apr 18
Volunteer, SIGCSE 2018, Baltimore, Maryland	Feb 18
Curriculum Board Advisor for UF TYPE Initiative (Teaching Youth Programming Essentials)	Aug 17-Dec 17
Employer Relations Ambassador, Career Resource Center, University of Florida	Aug 15-May 16
Lead Creative, Google Student Community, JUET, India	Jul 13-Jun 14

## MENTORING

Caroline Hobson, University of Florida	Undergraduate Research	Jan 20-May 20
Beatrice Villanueva, University of Florida	Undergraduate Research	Aug 19-Dec 19
David Fussell, University of Florida	Undergraduate Research	Nov 18-Oct 19

## SENIOR PROJECT

Caroline Hobson	Modeling CS Identities to Determine Employability in Industry Internships	Aug 20-Dec 20
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## WORKSHOPS/WORKING GROUPS

Co-led the <i>Introduction to GUI Workshop</i> , Gatorloop, University of Florida	Sep 19
Led the <i>Resume and CV workshop</i> , Intelligent Multimodal Human-Computer Interaction for Undergraduates Program, University of Florida	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, University of Florida	Feb 19
Selected for Working Group, <i>Modeling Global Competencies for Computing Education</i> , ITiCSE '18	Jun 18

## PANELS

Invited Panelist, <i>Prospects of New Technologies during Pandemic Situation</i> , Jaypee University of Engineering & Technology, India	Jun 20
Invited Panelist, <i>Perspectives on Grad School: A Panel Discussion</i> , Career Connection Center, University of Florida	Oct 19
Invited Panelist, <i>Student Leadership Panel</i> , Career Success Institute (CSI), University of Florida	Oct 19
Panelist, <i>Internships in Human Centered Computing</i> , Human Centered Computing, University of Florida	Apr 19
Moderator, <i>When I was a Grad Student...</i> , Human Centered Computing Group, University of Florida	Nov 18
Invited Panelist, <i>Student Experiences in Graduate School</i> , Engg. Graduate Student Council, University of Florida	Aug 18

## GUEST LECTURES

Introduction to Standard Template Library and Constructs in C++, Data Structures and Algorithms	Jun 18
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