Amanpreet Kapoor

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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 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 Advisor: Dr. Christina Gardner-McCune	Aug 17-Dec 22 (Expected)
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

[G1]	ACM SIGCSE Special Award, CS Identity Development Interview Project Co-shared with my advisor: Dr. Christina Gardner-McCune	Jun 18

AWARDS & SCHOLARSHIPS

[A9]	Gartner Group Graduate Fellowship, CISE Department, University of Florida	Mar 20
[A8]	University of Florida International Center Certificate of Excellence, University of Florida	Nov 19
[A7]	CISE Department Nominee, Outstanding Graduate Teaching Assistant Award, University of Florida	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	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

Instructional Assistant Professor at University of Florida, USA
Responsibilities: lead lectures, supervise TAs, create video lectures, curate content and assessments, mentor students

Course	Code	Session	#Students	#Staff Supervised	Evaluation
Data Structures and Algorithms	COP3530	Sp 22	300	12	
Programming Fundamentals 1 Online	COP3502	Sp 22	98	5	
Data Structures and Algorithms	COP3530	Fa 21	408	17	4.6/5.0
Programming Fundamentals 1 Online	COP3502	Fa 21	151	8	4.4/5.0
Data Structures and Algorithms Online	COP3530	Su 21	37	1	4.7/5.0
Data Structures and Algorithms	COP3530	Su 21	176	4	4.7/5.0
Human-Computer Interaction	CEN4721	Sp 21	50	1	4.9/5.0
Data Structures and Algorithms	COP3530	Sp 21	247	12	4.8/5.0
Data Structures and Algorithms Online	COP3530	Sp 21	24	1	4.7/5.0
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 JOURNAL PAPERS

[J1]   IEEE Transactions of 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

[C8]   ASEE 21   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   *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

[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

[SC2]	ACM ITiCSE 21	Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course

Kapoor, A., *& 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

[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 Summer School 18	Categorizing and Predicting Learners in an Introductory Programming Course offered through Open-Learning Initiative.

Kapoor, A. *& Gupta, S.*

PAPER PRESENTATIONS

[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

[T8]	Invited Talk, ACM COMPUTE Conference, Delhi, India	Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course	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 *Goncher, A.* & ***Kapoor, A.***	Oct 21
[T6]	The UF Faculty and Staff Symposium, Career Connections Center, UF	Lessons from Students Experiences Outside of the Classroom *Gardner-McCune, C., &* ***Kapoor, A.***	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 *Rader, P., Walther, A., &* ***Kapoor, A.***	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 |

PROFESSIONAL SERVICE

Reviewer, ACM SIGCSE 2022: *Posters*	Oct 21
Associate Program Chair, ACM SIGCSE Conference 2022: *Experience Reports and Tools Track*	Sep 21
Invited Reviewer, ACM Transactions on Computing Education (TOCE): *Journal Paper*	Aug 21
Reviewer, CCSC Northwestern Regional Conference: *Conference Papers*	Jul 21
Invited Reviewer, ACM IDC: *Conference Paper*	Feb 21
Invited Reviewer, ACM Transactions on Computing Education (TOCE): *Journal Paper*	Feb 21
Reviewer, ACM ITiCSE 2021: *Conference Papers*	Jan 21
Invited Reviewer, ACM CHI 21: *Late Breaking Works*	Jan 21
Invited Reviewer, ACM Transactions on Computing Education (TOCE): *Journal Paper*	Sep 20
Reviewer, ACM SIGCSE 2021: *Conference Papers*	Sep 20
Reviewer, ACM SIGCSE 2020: *Posters*	Oct 19
Reviewer, ACM ITiCSE 2019: *Posters*	Mar 19
Reviewer, Graduate Student Council, University of Florida: *Travel Grants*	Nov 17, Mar 18, Nov 18, Nov 19
Reviewer, UXPA (User Experience Professionals Association) Conference	Nov 18
Reviewer, ACM SIGCSE 2019: *Conference Papers, Nifty Assignments, and Panels*	Aug 18

LEADERSHIP AND COMMUNITY EXPERIENCE

Faculty Advisor, Software Engineering Club, University of Florida	Aug 21-Present
Curriculum Committee Member, Department of Engineering Education, University of Florida	Aug 20-Present
Session Chair, Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT 2020) Conference	Mar 20
Co-Lead and member, 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
Organizing Committee Member, 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

UNDERGRADUATE RESEARCH MENTORING

[M5]	Edugator: Platform for running short programming problems *Kunyao Wang*	May 21-Present
[M4]	Edugator: Platform for running short programming problems *Joseph Hardin*	May 21-Present
[M3]	CSEd@Clubs: An ethnographic investigation of students' learning in Computing in a Software Developers Group *Caroline Hobson*	Jan 20-May 20

[M2]	CSEd@Clubs: An ethnographic investigation of students' learning in Computing in a Software Engineering Club *Beatrice Villanueva*	Aug 19-Dec 19
[M1]	Modeling learners in an Introductory Programming Course *David Fussell*	Nov 18-Oct 19

SENIOR PROJECTS SUPERVISED

[S6]	Edugator Admin: Coding Problem Management and Grading Application *Marc Diaz, Tanner Ropp, Hamish Pierpont, Dhruv Patel, Josh Dargan, Adrian Salazar* https://edugator.app/	Aug 21-Dec 21
[S5]	GatorNexus: A Tool for Visualizing Computing Internships *Abinai Pasunuri, Roberto Pantoja Bacallao, and Ricardo Golac Barriga*	Jan 21-Apr 21
[S4]	Creating Connections: Testing Virtual Reality in Classroom Interaction *Joseph Gravelle, Caleb Steinmetz, Andrew Helms, Kiara Kubo, and Valerie Prater*	Jan 21-Apr 21
[S3]	A Smart Blocker for Flexible YouTube Distraction Blocking *George Kolasa*	Jan 21-Apr 21
[S2]	Interactive Battleship Game *Peyton Marinelli, Mark Lawrence, Alexis Vega, Michael Wollenhaup, and Fouad Diff*	Jan 21-Apr 21
[S1]	Modeling CS Identities to Determine Employability in Industry Internships *Caroline Hobson*	Aug 20-Dec 20

INDIVIDUAL STUDIES SUPERVISED / HONORS THESIS / OTHER COURSES

[I3]	Undergraduate Honors Thesis: Analyzing the Impact of Homework Submission Times on Student Performance in an Introductory Programming Course *Samia Gilani*	Dec 21
[I2]	L3Harris Technologies Internship UF Advisor *Alexia Martin*	Aug 21-Dec 21
[I1]	University of Florida Otolaryngology Patient Education Application *Dhrubo Mondal*	Jan 21-Apr 21

WORKSHOPS/WORKING GROUPS

Completed the *First Year Faculty Teaching Academy Workshop,* University of Florida	Aug 21
Co-led the *Introduction to GUI Workshop,* Gatorloop, University of Florida	Sep 19
Led the *Resume and CV workshop*, Intelligent Multimodal Human-Computer Interaction for Undergraduates Program, University of Florida	Jul 19
Selected for SIGCSE '19 workshop, *Integrating accessibility into Computer Science*	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, *Modeling Global Competencies for Computing Education,* ITiCSE '18	Jun 18

PANELS

Panelist, *Cross-Cultural Education in Engineering,* SwampCon 2021, Florida	May 21
Invited Panelist, *HCI jobs in Academia*, Human-Centered Computing, University of Florida	Apr 21
Invited Panelist, *Prospects of New Technologies during Pandemic Situation*, Jaypee University of Engineering & Technology, India	Jun 20

Invited Panelist, *Perspectives on Grad School: A Panel Discussion*, Career Connection Center, University of Florida	Oct 19
Invited Panelist, *Student Leadership Panel*, Career Success Institute (CSI), University of Florida	Oct 19
Panelist, *Internships in Human-Centered Computing*, Human-Centered Computing, University of Florida	Apr 19
Moderator, *When I was a Grad Student...*, Human-Centered Computing Group, University of Florida	Nov 18
Invited Panelist, *Student Experiences in Graduate School*, 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