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 Flo	orida, USA Aug 20-Present
Affiliate, Department of Computer & Information Science & Engg., University of Florida, U	JSA 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	Aug 17-Dec 22 (Expected)
Advisor: Dr. Christina Gardner-McCune	
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	Jun 18
	Co-shared with my advisor: Dr. Christina Gardner-McCune	

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	Mav 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

CourseCodeSession#StudentsWeb Technology LabCOP3530Fa 1454

REFEREED JOURNAL PAPERS

[J1] IEEE Transactions Effects of a Block-based Scaffolded Tool on Students' Introduction to Hierarchical Data of Education 21 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

ACM ITICSE 18 Considerations for Switching: Exploring Factors behind CS Students' Desire to Leave a CS Major [C2]

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 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

CMU LearnLab [Po1] Categorizing and Predicting Learners in an Introductory Programming Course offered through

Summer Open-Learning Initiative. School 18

Kapoor, A. & Gupta, S.

Acceptance Rate: 29%

PAPER PRESENTATIONS

[Pr7]	ITiCSE 21, Online	Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course	
[Pr6]	SIGCSE 20, Online	Exploring the Participation of CS Undergraduate Students in Industry Internships	Mar 20
[Pr5]	ACE 20, Melbourne, Austra	alia Barriers to Securing Industry Internships in Computing	Feb 20
[Pr4]	ITiCSE 19, Aberdeen, Scot	and Understanding CS Undergraduate Students' Professional Identity through the lens of their Professional Development	7 Jul 19
[Pr3]	SIGCSE 19, Minneapolis, U	SA 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	R PRESENTATIONS		
[Ps4]	ITiCSE 19, Aberdeen, Scotl	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, US	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/TAI	iks	
[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.	
[T6]	The UF Faculty and Staff Symposium, Career Connections Center, UF	Lessons from Students Experiences Outside of the Classroom <i>Gardner-McCune, C., & Kapoor, A.</i>	
[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 .	
[T4]	Future of Florida Summit, Bob Graham Center for Public Service, UF	Bus to Success: Using Spatial Econometrics to Reduce Poverty in Gainesville, Florida	
[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 Undergoeveloping their Professional Identities	graduate Students are Apr 18
PROFE	SSIONAL SERVICE		
Revie	wer, ACM SIGCSE 2022: I	Posters	Oct 21
Assoc	ciate Program Chair, ACM	SIGCSE Conference 2022: Experience Reports and Tool	ls Track Sep 21
		ctions on Computing Education (TOCE): Journal Paper	
Reviewer, CCSC Northwestern Regional Conference: Conference Papers			Jul 21
	ed Reviewer, ACM IDC: Co		Feb 21 Feb 21
Invited Reviewer, ACM Transactions on Computing Education (TOCE): Journal Paper			
Reviewer, ACM ITICSE 2021: Conference Papers			Jan 21
	ed Reviewer, ACM CHI 21	•	Jan 21
		ctions on Computing Education (TOCE): <i>Journal Paper</i>	•
	wer, ACM SIGCSE 2021: (Sep 20
	wer, ACM SIGCSE 2020: I		Oct 19
	wer, ACM ITICSE 2019: P		Mar 19
		ouncil, University of Florida: Travel Grants	Nov 17, Mar 18, Nov 18, Nov 19
	•	nce Professionals Association) Conference	Nov 18
Revie	wer, ACM SIGCSE 2019: (Conference Papers, Nifty Assignments, and Panels	Aug 18
LEADE	RSHIP AND COMMU	NITY EXPERIENCE	
Facult	y Advisor, Software Engi	neering Club, University of Florida	Aug 21-Present
Curriculum Committee Member, Department of Engineering Education, University of Florida		Florida Aug 20-Present	
	on Chair, Research in Equology (RESPECT 2020) C	uity and Sustained Participation in Engineering, Com onference	nputing, and Mar 20
Co-Le	ad and member, Software	e & GUI Team, Gatorloop, University of Florida	Jul 19-Nov 19
Co-Tr	easurer, Florida Society o	f Social Sciences, University of Florida	May 18-Apr 19
Organ	izing Committee Member	r, HCC Department Monthly Meetings, University of Flo	orida Aug 17-Nov 18
Sessio	on Runner (Volunteer), Py	Con 2018, Cleveland	May 18
Evalu	ation Chair, Florida Socie	ty of Social Sciences, University of Florida	Aug 17-Apr 18
Volun	teer, SIGCSE 2018, Baltin	nore, Maryland	Feb 18
Curriculum Board Advisor for UF TYPE Initiative (Teaching Youth Programming Essentials)			entials) 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
UNDER	GRADUATE RESEAR	RCH MENTORING	
[M5]	Edugator: Platform fo Kunyao Wang	r running short programming problems	May 21-Present
[M4]	Edugator: Platform fo Joseph Hardin	r running short programming problems	May 21-Present
[M3]	CSEd@Clubs: An ethn Software Developers Caroline Hobson	ographic investigation of students' learning in Compu Group	ting in a 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
SENIOF	R PROJECTS SUPERVISED	
[S6]	Edugator Admin: Coding Problem Management and Grading Application A 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** A Caroline Hobson**	aug 20-Dec 20
INDIVI	DUAL STUDIES SUPERVISED / HONORS THESIS / OTHER COURSES	
[13]	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
WORKS	SHOPS/WORKING GROUPS	
Comp	pleted the First Year Faculty Teaching Academy Workshop, University of Florida	Aug 21
	d the <i>Introduction to GUI Workshop,</i> Gatorloop, University of Florida	Sep 19
	the <i>Resume and CV workshop</i> , Intelligent Multimodal Human-Computer Interaction for orgraduates Program, University of Florida	Jul 19
Selec	ted for SIGCSE '19 workshop, Integrating accessibility into Computer Science	Feb 19
	ted for Working Group, Future of Florida Summit '19: The Bob Graham Center for Public ce, University of Florida	Feb 19
Selec	ted for Working Group, Modeling Global Competencies for Computing Education, ITiCSE '18	Jun 18
PANELS	S	
Panel	list, Cross-Cultural Education in Engineering, SwampCon 2021, Florida	May 21
	ed Panelist, HCI jobs in Academia, Human-Centered Computing, University of Florida	Apr 21
	ed Panelist, <i>Prospects of New Technologies during Pandemic Situation</i> , Jaypee University of Engineering Chnology, India	Jun 20

Invited Panelist, Perspectives on Grad School: A Panel Discussion, Career Connection Center, University of	Oct 19
Florida	
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, <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