Ella Kokinda

Charleston, SC

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Research Interests

Software development communities, live streaming software development, human factors in software engineering, developer habits, collaboration systems, online learning, online interactions, software engineering culture, information seeking habits, software engineering education

Education

Doctor of Philosophy in Computer Science   **Jan 2021-pres.**
Clemson University, Clemson, SC
      Human Factors in Software Engineering Lab
      Advisor: Dr. Paige Rodeghero

Master of Science in Computer Science   **May 2022**
Clemson University, Clemson, SC
      Human Factors in Software Engineering Lab
      Advisor: Dr. Paige Rodeghero

Bachelor of Science in Computer Science   **May 2017**
Clemson University, Clemson, SC

Research Experience

Graduate Research Assistant   **2021-Pres**
Human Factors in Software Engineering Lab, Clemson School of Computing

Computer Game Coding Camp (Educating Autistic Software Engineers)   **2021-Pres**
Instructor, Researcher, Content Creator
- Interpreted, articulated, and refined technical requirements and instruction guides for neurodiverse students
- Developed course materials and content for 2D game design using Godot
- Editing video content and managing YouTube channel
- Lead 3 days of camp instruction
- Mentoring group of 3 neurodiverse highschool students from game concept to short demo game

Publications

2023
- **Kokinda, E*., *Moster, M., Rodeghero, P., McNeese, N. "Both Side of the Story: Changing the "pre-existing culture of dread" surrounding student teamwork in breakout rooms", to appear in Proceedings of the 2023 ACM on Human Computer Interaction, Computer Supported Cooperative Work (CSCW '23), Minneapolis, MN, USA, October 13-18, 2023
  -     * denotes co-first authorship

2022
- Moster, M., **Kokinda, E.**, Re, M., Dominic, J., Lehmann, J., Begel, A., Rodeghero, P. " 'Can You Help Me?' An Experience Report of Teamwork in a Game Coding Camp for Autistic High School Students", to appear in

Proc. of the 44th IEEE/ACM International Conference on Software Engineering - Software Engineering Education and Training Track (ICSE SEET '22), Pittsburgh, PA, USA, May 21-29, 2022.

Professional Service

Naval Information Warfare Center (NIWC) Atlantic (Formerly SPAWAR),	**2015 – 2020**

Scientist, NRL affiliate at NIWC Atlantic *2020*
- Front end development for NRL program using Ruby

Scientist, STAC *2020*
- Reviewing proposal submissions for STAC chair

Scientist, Science and Technology Co-primary Investigator *2019-2020*
- Primary investigator in research working with a formally verifiable language, Haskell, and embedded systems in various research and development efforts

Scientist, Science and Technology Mentee *2018-2019*
- Research mentee working with a formally verifiable language, Haskell in various research and development efforts

Scientist, Mission Assurance Cyber Security *2017-2019*
- Datacenter and Cloud Hosting Services (DC2HS) Transition and Integration Cyber Security Specialist and Test Team Lead working with various Navy commands (NIWC, NAVAIR, NAVSEA, NIWC-PAC) to transition mission systems into the Charleston datacenter or to cloud services. Interfacing with customer teams to ensure the Risk Management Framework (RMF) process is followed. Test team experience validating customer STIG lists for systems and orchestrating (Independent Verification and Validation) IV&V test events. DC2HS Division A&A experience with CCI validation input for datacenter core service packages and template creation

Scientist, Student Trainee *2015-2017*
- Working with programming, quality assurance, and security of system admin tokens for the Department of Defense
- Implementing Amazon Web Services cloud environment into government systems, validation testing

University Service

IT Desk Technician	**2015-2017**

Clemson University College of Engineering, Clemson University
- IT technician and service desk personnel for Clemson College of Engineering troubleshooting customer's various operating system and software issues

Tour Guide and Ambassador	**2017-Pres**

Zucker Family Graduate Center, Clemson University *2019-Pres*
- Campus ambassador for interested students in attending graduate school at the Charleston Zucker Family Graduate Center in Charleston, SC

School of Computing, Clemson University *2017*

- Tour guide for the School of Computing for interested/newly accepted students to inform them about the computer science program and walk them around the facility

Service and Volunteering

Clemson Graduate Student Advisory Board - Vice President   **2022-Pres**
- Coordinating with CECAS representatives to enhance learning and social experiences for the College's graduate students
- Coordinating and writing agendas for executive and general body meetings

Clemson Graduate Student Advisory Board   **2022-Pres**
- School of Computing, Charleston Campus Representative

Representative for Clemson University for Society of Women Engineers - Women in Industry Day   **2022**

Letters to a Pre-Scientist - Penpal   **2022-Pres**
- Penpal to middle-schoolers as part of STEM outreach and mentorship program

Reviewing - Conference Proceedings & Workshop Papers

ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)   2021

IEEE/ACM International Conference on Program Comprehension (ICPC 2021)   2021

ACM Conference On Computer-Supported Cooperative Work And Social Computing   2022

Clemson School of Computing Graduate Student Association - Vice President   **2022-Pres**
- Coordinating social and academic events for the School of Computing
- Electing officials to represent School of Computing at the University level

ICSE 2021 Student Volunteer
- SV for CloudIntelligence at ICSE 2021

Conference Paper/Journal Reviews
- CSCW 2022

Subcommittee Paper/Journal Reviews
- ACM ESEC/FSE 2021
- ICPC 2021

Awards and Honors

Upsilon Pi Epsilon Induction   2020