

Amsala Govindappa

amsalag@andrew.cmu.edu • (814) 812-6552 • www.linkedin.com/in/amsala

EDUCATION

Carnegie Mellon University

Aug 2020–May 2024

BS, Human Computer Interaction, Cognitive Science (AI Concentration); Minor in Sociology Pittsburgh, Pennsylvania

- Scholarships and Honors: Frederick P. Delve Presidential Scholarship, Grace Hopper Conference Scholarship, Society of Hispanic Professional Engineers Scholarship, Dean's List with High Honors, Nu Rho Psi Honors Society

PROFESSIONAL EXPERIENCE

Teaching Assistant, 36-220 Engineering Statistics

Aug 2023–Dec 2023

Carnegie Mellon University Pittsburgh, Pennsylvania

- Assist in teaching and supporting approximately 90 students in an engineering statistics course
- Provide tailored one-on-one guidance during office hours to facilitate student engagement
- Conduct grading and provide timely feedback on assignments and assessments

Software Development Engineer Intern

May 2023–Aug 2023

Amazon.com Inc. Pittsburgh, Pennsylvania

- Worked in Amazon Devices on the Alexa Speech Engines Team, focusing on advancing natural language understanding and speech recognition for smoother interactions with millions of Alexa-enabled devices
- Built a simulator recreating real-world regressions pulled from customer data to evaluate various gating strategies, which are used to automatically approve or deny code releases to all Alexa devices
- Utilized the simulator to implement and compare new strategies, resulting in a 78% decrease in false negatives (missed code problems) and a 35% decrease in false positives (false alarms)
- Deployed code into production for software and science teams, cutting 2-10 days off of each code release

Software Development Engineer Intern

May 2022–Aug 2022

Amazon Web Services Seattle, Washington

- Worked in AWS Cryptography on the CloudHSM Team, implementing advanced cloud-based security solutions
- Created a custom performance testing framework seamlessly integrated into the code building pipeline to ensure that new code did not contain regressions negatively impacting speed or reliability.
- Provided accurate performance metrics for the first time in the product's history for both CloudHSM clients and the Cryptography team, creating a more robust testing process.

Software Engineering Intern

May 2021–July 2021

Wabtec Corporation Erie, Pennsylvania

- Reengineered and standardized software across multiple departments, optimizing company-wide operations
- Conducted integration and regression testing in a simulation lab and on locomotives
- Developed an interface control document, incorporating tests and insights from simulation lab data
- Standardized and streamlined testing procedure logic across 4 departments, enhancing efficiency

SKILLS AND COMPETENCIES

- Programming Languages: Python, C, Rust, HTML, CSS, Javascript, R
- Tools: Git, Figma, Jira, Photoshop, Qualtrics, SurveyMonkey, Microsoft Excel
- Other: A/B Testing, Wireframing, UX Research, Rapid Prototyping/Research, Interaction Design, Cognitive Psychology, Statistical Data Analysis, Effective Communication and Collaboration

ACTIVITIES AND LEADERSHIP

- Alpha Phi Sorority: Recruitment Coordinator, Director of Watchcare, DEI Committee Member, Booth Chair
- Cognitive Development Lab: Student Researcher