Tressa Y. Kim

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Results-driven software engineer with experience in full-stack development, cloud infrastructure, and stakeholder collaboration. Skilled at integrating new technologies into business solutions, supporting users, and communicating technical concepts to diverse audiences. Eager to tackle critical stakeholder challenges holistically through a DevOps centered role.

WORK EXPERIENCE

Liberty Mutual   **Portsmouth, New Hampshire**
Software Engineer | Third Party Data Marketplace   *January 2025 – present*
- Engaged with stakeholders to translate emerging third party technologies into solutions for critical insurance challenges, generating $20M in value
- Established direct lines of communications with technical teams, translating business needs into actionable feature requests
- Diagnosed and resolved technical breakdowns leveraging DataDog dashboards, improving stakeholder user experience
- Assisted consumers with technical support through on-call support rotations, resolving user-impacting issues and enhancing system reliability

Software Engineer | Solaria Labs   *July 2024 – January 2025*
- Increased customer engagement and data collection expediency through new UI features on customer/admin-facing applications, increasing customer engagement and data collection (**TypeScript, React, graphQL**)
- Aligned software development work with stakeholder goals by coordinating with product owners to continually assess evolving priorities
- Engaged in and conformed to high performance engineering standards, delivering recyclable, production-ready code

Software Engineer Intern | Platforms and Customer Experience   *May 2023 – August 2023*
- Synthesized and distilled common stakeholder challenges, developing automation frameworks to automate and accelerate business processes by **90% (Python, Flask, Angular, HTML/CSS)**
- Collaborated with product owners and developers to design a MVP, aligning stakeholder value with technical feasibility
- Spearheaded development of user report feature for record keeping, improving data accessibility and minimizing audit risks
- Translated technical achievements into understandable metrics for success to senior leadership, aligning team accomplishments to larger organizational priorities

EDUCATION

University of Virginia, College of Arts and Sciences   **Charlottesville, Virginia**
Majors: B.A. Computer Science, Music GPA: 3.7   *May 2024*
- **Relevant coursework**: Advanced Software Development, Data Structures and Algorithms, Computer Systems and Organizations, Software Testing, Database Systems, Data Science, Statistical Analysis,
- **Activities**: Music Director of a cappella group, Writer for food column of school newspaper

PROJECTS

Career Fair Web Application | *mySQL, PHP, JavaScript, GCP*
- Awarded most practical application award in Database Systems class for creating a web app which allows users to browse, apply, create, and edit jobs
- Developed a login/signup flow capable of supporting multiple user types with different functionalities, allowing for enhanced user experience, improved recruitment efficiency, and maintained platform security

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, JavaScript, TypeScript, HTML/CSS, PHP, mySQL, x86 Assembly
Frameworks: Flask, JUnit, Angular, JUCE, ROSpy
Tools: Github, JGrasp, VS Code, Visual Studio, PyCharm, IntelliJ, Xcode, Linux, Datadog, Splunk
Cloud Computing: EC2, S3, Lambda, DynamoDB, CDK, CloudWatch