

Samuel Karl Imlig

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SUMMARY

A people-oriented software engineer with a strong focus on building positive relationships and leveraging unique talents to drive team success. Seeking new challenges to further develop skills and expertise.

EDUCATION

Bachelor of Science in Computer Science, magna cum laude | George Fox University, Newberg OR

Honors Program | Outstanding Computer Science Student Award | Dean's List | CSIS Student Advisory Board

TECHNICAL SKILLS

Languages: Python; Java; Scala; JavaScript; TypeScript; C; C++; C#; PHP; SQL (Postgres, Oracle); NoSQL (S3, Paradox)

Frameworks: React; NextJS; Bootstrap; TailwindCSS; SpringBoot

Infrastructure Management: Ansible; Terraform

Models: MPI; CUDA

Platforms: Git; AWS; Jenkins; Docker

Concepts: OOP; Artificial Intelligence; Machine Learning; Software Engineering Methodologies; Parallel Programming

EXPERIENCE

Software Engineer Associate | SAIC | Remote | November 2023 – Present

- Developed, designed and maintained a full-stack application (Java, SpringBoot, TypeScript, NextJS, TailwindCSS, Docker) that utilized cloud technology (AWS, Elastic Beanstalk, Ansible, Jenkins) for agile deployment and enhanced reliability.
 - Researched and implemented new functionalities to optimize performance, ensure reliability and provide client satisfaction.
 - Successfully migrated the platform from Amazon Linux 2 to AML2023 to ensure full compliance with security protocols and best practices.
- Investigated and resolved Tier 3 tickets consistently, reliably, and efficiently.
- Consistently met with clients to discuss concerns, ideas, and issues pertaining to the current contract.

Computer Support Specialist | George Fox University | Newberg, OR | June 2023 – Present

- Diagnosed and resolved software/hardware issues on Windows and macOS computers to ensure full functionality, customer satisfaction and adherence to industry standards either in person, over the phone or through a remote connection.
- Resolved campus-wide CPU throttling issues on Windows 11 machines by identifying the causes and implementing both manual and automatic solutions.
- Enhanced efficiency by implementing automated file transfers through PowerShell scripts, reducing required employee oversight.

Software Development Intern | Columbus Systems | Tumwater, WA | June 2022 – Jan. 2023

- Developed a cross-platform full-stack mobile application for iOS and Android that allowed service employees to navigate to customer residences and record duties performed.
- Achieved a **90% reduction** in pen and paper tasks, leading to a significant increase in employee productivity.

Senior Capstone | George Fox University | Newberg, OR | August 2022 – April 2023

- **Reduced user-intervention by 75%** by adding autonomous-turning and adaptive cruise control to a vineyard rover using Python, C, ROS, computer vision and machine learning.
- **Increased predicted yield accuracy from 72% to ~98% accuracy** by rectifying terabytes of misclassified images in a Postgres database via a Hidden Markov machine learning model.

Lab Assistant | George Fox University | Newberg, OR | September 2021 – April 2023

- Mentored and guided students in mastering core Computer Science concepts such as application development, data structures, analysis of algorithms, relational databases, software engineering methodologies and programming best practices.
- Provided emotional and academic assistance to struggling students by devising better study habits and cultivating increased career preparedness.

CERTIFICATIONS

CompTIA Security Plus | November 2023

- Validates the baseline skills necessary to perform core security functions and pursue an IT security career.

Amazon Web Services Cloud Practitioner | September 2023

- Validates foundational, high-level understanding of AWS Cloud, services, and terminology