

# Harry Zhu

San Francisco, CA | [hello@harryzhu.com](mailto:hello@harryzhu.com) | [linkedin.com/in/harryjzhu](https://linkedin.com/in/harryjzhu) | [github.com/HarryZ10](https://github.com/HarryZ10) | [harryzhu.com](https://harryzhu.com)

## EDUCATION

### George Fox University

August 2020 – April 2024

Computer Science, Bachelor of Science

Newberg, OR

**Coursework:** Machine Learning, Operating Systems, Database Systems, Algorithms, Data Structures

**Activities:** CodePath Emerging Engineers Summit, ACM President & Technology Chair, College Track, Gameheads

## SKILLS

**Languages:** Python · Bash · Java · C# · JavaScript · TypeScript · PHP · C/C++ · Scala · SQL

**Frameworks:** React · Node.js · .NET · Hibernate · Spring · NoSQL · Tailwind · Kubernetes · JUnit

**Tools:** PostgreSQL · Docker · Kubernetes · CI/CD · AWS · Azure · Linux · Git

## EXPERIENCE

### Software Engineer Intern

July 2024 – September 2024

F5 Networks

Seattle, WA

- Achieved 8-minute crash investigations in CI/CD using Bash analyzing functional and integration logs across 50+ test environments, reducing overall resolution time by 80%
- Streamlined debugging by automating crash dump analysis and stack trace processing into bug reports, accelerating development across multiple engineering teams working with the traffic management platform
- Expanded knowledge sharing by creating documentation on crash analysis procedures for more testing parameters

### Software Engineer Intern

August 2021 – April 2024

George Fox University Communications Office

Newberg, OR

- Improved content quality validation by 95% through an API-driven automated monitoring system implementation
- Slashed build times to 2-4 seconds by optimizing content management system workflows across 20+ common tasks
- Enhanced user experience for 1,000+ daily visitors through performance and design optimization of 100+ pages
- Achieved new feature adoption by 80% through A/B testing of UX improvements across 100+ page components

### Software Engineer Intern

June 2023 – August 2023

Liminal Insights, Inc.

Emeryville, CA

- Decreased product configuration time by 90% to 5 minutes through a web-based automation system using Docker
- Improved battery testing reliability by architecting a pub-sub driven system processing 50+ debug logs/minute
- Achieved 95% uptime for 100+ industrial control events through Redis-driven data flow by removing race conditions

### Software Engineer Intern

June 2022 – August 2022

Recidiviz, Inc.

San Francisco, CA

- Reduced security audit time by 95% to 2 minutes through automated IAM monitoring across 17 vendors
- Prevented 3+ potential security incidents through implementation of 10 new security controls in Google Cloud
- Eliminated 200+ vulnerabilities in the product architecture through automated security scanning and remediation

### Northwest Natural Energy, LLC

Portland, OR

Security Analyst Intern

May 2021 – August 2021

- Created a **Splunk** dashboard for real-time detection of suspicious logins and tracking pre-success failed attempts
- Revamped enterprise knowledge sharing by overhauling 100+ legacy **SharePoint** files, enhancing process efficiency

## PROJECTS

### TZ Medical ECG Medical Triage - Group Capstone Project | [github.com/HarryZ10/ecg](https://github.com/HarryZ10/ecg)

- Extracted 8 domain features on over **34,000+** ECG events by developing standalone data processing and ETL scripts using **SciPy**, **NumPy**, and **Scikit-Learn**, resulting in **~95%** precision

### Journex Career Blog (Blind Clone) | TypeScript, AWS, PHP | 70 hours | [blog.harryzhu.com](https://blog.harryzhu.com)

- Designed 10+ **React** components and 10+ back-end **RESTful APIs** using **PostgreSQL** in **Ubuntu Linux**
- Implemented JWT APIs server-side and React Contexts and Hooks to manage user authentication and blog services