

Harry Zhu

San Francisco, CA | hello@harryzhu.com | linkedin.com/in/harryjzhu | github.com/HarryZ10 | harryzhu.com

SKILLS

Languages: JavaScript · TypeScript · Java · Python · C# · Bash · PHP · SQL

Tools: React · Node · VueJS · .NET · GraphQL · PostgreSQL · Docker · AWS · GCP · Tailwind

EXPERIENCE

Software Engineer Intern

July 2024 – September 2024

F5 Networks

Seattle, WA

- Achieved 8-minute crash investigations in CI/CD using Bash scripts and GDB, a debugging tool for C programs
- Reduced overall crash resolution time by 80% by analyzing test logs across 50+ test and production environments
- Accelerated development across engineering teams by aggregating 5+ stack traces into bug reports per day
- 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

- Reduced development cycles by 90% by optimizing CMS workflows across 20+ common tasks using **NodeJS**
- Improved content quality validation by 95% through an API-driven **NodeJS** web server implementation
- Led A/B testing efforts through cross-team collaboration and adopting new features by 80% in 50+ pages
- Enhanced user experience for 1,000+ daily visitors through performance and design optimization of 100+ pages

Software Engineering Teaching Fellow

August 2022 – April 2024

George Fox College of Engineering

Newberg, OR

- Mentored 70+ students through targeted group sessions in data structures, algorithms, database systems, computer architecture, object-oriented design, operating systems, using Java, Python, C/C++, PHP, JavaScript, and Scala

Software Engineer Intern

June 2023 – August 2023

Liminal Insights, Inc.

Emeryville, CA

- Reduced configuration time by 90% by developing **React** and **Python** containerized microservices using Docker
- Improved battery testing reliability by architecting a message-oriented 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 YC19

San Francisco, CA

- Reduced security audit time by 95% by building an automated tool using REST APIs and GraphQL with 17 vendors
- Prevented 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

Security Analyst Intern

May 2021 – August 2021

Northwest Natural Energy, LLC

Portland, OR

- Enabled real-time tracking of 1000+ daily logins through Splunk dashboard implementation for threat detection
- Reduced team search time by 5+ hours weekly through overhaul of 100+ SharePoint files and incident plans

PROJECTS

Journex Career Blog (Blind Clone) | **React**, **TypeScript**, **AWS Ubuntu Linux**, **PHP** | blog.harryzhu.com

- Designed 10 **React** components and 9 back-end **APIs** using **PostgreSQL** in **Ubuntu Linux** on an **EC2** instance
- Implemented JWT APIs server-side and React Contexts and Hooks to manage user authentication and blog services

Pickabox - Hackathon Team Project | **React**, **Express**, **Google Cloud** | pickaboxdemo.netlify.app

- Won 2nd place in Best Design by building a web app used by 1K+ users to aggregate **Wikipedia** articles

EDUCATION

George Fox University

August 2020 – April 2024

Computer Science, Bachelor of Science

Newberg, OR

Awards: Top Outstanding CS Student, National Cyber League 2x Top Capture The Flag Competitor

Activities: CodePath, Teaching Fellow, ACM President & Tech Lead, College Track, Gameheads