

Harry Zhu

+1-510-813-1219 | harryzhu45@gmail.com | [linkedin.com/in/harryjzhu](https://www.linkedin.com/in/harryjzhu) | github.com/HarryZ10

EDUCATION

George Fox University

Newberg, OR

Bachelor of Science in Computer Science (Dean's List GPA: 3.52)

Expected April 2024

Courses: Data Structures, Algorithms, Operating Systems, Database Systems, Artificial Intelligence

EXPERIENCE

Web Developer Intern (Software)

August 2021 – Present

George Fox University

Newberg, OR

- Engineered a page monitoring tool, a Vue and Node web application interfacing with the content management system API, reducing manual verification of content accuracy by 90% down to 2 seconds
- Developed 20+ automation scripts in Node achieving a 99% reduction in manual build time down to 2-4 seconds
- Optimized branding by building 100+ pages with HTML and CSS, supporting the archival of 1,000+ legacy pages

Software Engineer Intern

June 2023 – August 2023

Liminal Insights

Emeryville, CA

- Reduced manual software configuration time by 99% from 5-7 minutes to 30 seconds by building a feature flag service in React and Python that manages 7+ internal and commercial features of the hardware product, EchoStat
- Optimized battery cell testing process efficiency, offloading 50+ log messages/minute with ZeroMQ and pub/subs
- Stabilized uptime and data flow of 100+ OPC events, removing a race condition between EchoStat and the PLC

Software Engineer Intern

June 2022 – August 2022

Recidiviz

San Francisco, CA

- Enhanced the access verification time by 90% down to 2 seconds by building an internal monitoring tool in Python and Google Cloud that performs IAM policy audits and reports elevated privileges in 17 user-centric platforms.
- Introduced over 10 new security controls and alerts in the GCP cloud infrastructure of its product offerings
- Resolved 200+ product vulnerabilities found in production by creating a CI/CD pipeline for SAST

Security Operations Analyst Intern

May 2021 – August 2021

Northwest Natural Gas Utility Company

Portland, OR

- Streamlined security protocols by documenting inventory for 20+ in-house software and hardware systems
- 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

Journex Full-Stack Blog | *PHP, TypeScript, React, PostgreSQL, CSS*

January 2024 – March 2024

- Implemented in-house JSON Web Token authentication pipelines to manage the user login and registration service
- Architected 6+ React components and 10+ back-end CRUD endpoints for real-time database transactions

Pickabox (Sacramento Hacks) | *React, CSS, Google Cloud*

February 2021

- Architected a React SPA that won 2nd Place in Best Design to display random Wikipedia articles for engagement
- Used Cloud Run services for back-end Wikipedia API pipelines to manage the article retrieval service

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript, SQL, C/C++, C#, Elixir, Scala, Bash, Haskell, Fortran

Frameworks: ReactJS, NodeJS, VueJS, NextJS, Flask, JUnit, Jest, GraphQL, Agile, Scrum

Tools: REST API, CI/CD, Git, Google Cloud, Linux, Redis, Docker, AWS EC2, Postgres, Jira, Figma, MongoDB

Libraries: Bootstrap, SciPy, Pandas, NumPy, Scikit-Learn