

## EDUCATION

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**George Fox University**  
*Bachelor of Science in Computer Science*

Newberg, OR  
*Expected April 2024*

## EXPERIENCE

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**Web Developer Intern (Software)**  
*George Fox University*

August 2021 – Present  
*Newberg, OR*

- Engineered a monitoring tool using VueJS and NodeJS, reducing manual verification of content accuracy by 90%
- Developed 20+ automation scripts in NodeJS, 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**  
*Liminal Insights*

June 2023 – August 2023  
*Emeryville, CA*

- Architected a development platform using ReactJS and Flask, reducing manual software configuration time by 99%
- 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 race conditions involving Redis subscriptions

**Software Engineer Intern**  
*Recidiviz*

June 2022 – August 2022  
*San Francisco, CA*

- Built an access monitoring tool in Python, Docker, and GCP, reducing IAM audit time by 90% across 17 vendors
- Introduced over 10 new security controls and alerts in infrastructure services across 3 disparate cloud environments
- Resolved 200+ product vulnerabilities found in production by creating a CI/CD pipeline for SAST

**Security Operations Analyst Intern**  
*Northwest Natural Gas Utility Company*

May 2021 – August 2021  
*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

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**TRACE Product (Ongoing Contract)** | NextJS, Tailwind CSS, MongoDB, Jest, Blockchain

- Initiating active involvement in maintaining and enhancing TRACE to optimize the developer and user experience
- Engaging in thorough debugging to rectify critical bugs, leading to more stable application performance

**ECG Classifier for TZ Medical (Ongoing Contract)** | SciPy, NumPy, Scikit-Learn, Seaborn, Pandas

- Labeling and extracting domain features of over 30,000 ECG events to load them into supervised learning models
- Aiming to create an algorithm with a team that will detect unnatural heart events with over 90% precision

**Journex Full-Stack Blog** | PHP, TypeScript, ReactJS, PostgreSQL, CI/CD, Linux, Apache

- Implemented in-house JWT 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 Full-Stack Project** | ReactJS, JavaScript, Express, Bootstrap, Material-UI, Google Cloud

- Deployed a web app that won 2nd Place in Best Design at SacHacks 2021 to display random Wikipedia articles
- Implemented Cloud Run services for back-end Wikipedia API pipelines to manage the article retrieval service

## ADDITIONAL TECHNICAL SKILLS

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**Tools:** Java, C#, C/C++, Prolog, Elixir, Scala, Bash, Git, Figma, REST API, GraphQL, AWS EC2, Jira, Scrum, Agile