

# KEVIN VUONG

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## Experience

### Oregon Health and Science University

June 2024 – September 2024

*Biomedical Informatics and Data Science Intern*

*Portland, OR*

- Collaborated with a team to develop a new search algorithm using Meta's large language model, improving the accuracy of identifying potential patients for clinical trials compared to the previous method, resulting in more precise matches.
- Merged multiple scripts into a single, flexible tool, enabling users to select behavior or output type, streamlining workflow, reducing maintenance, and enhancing efficiency and adaptability.

### Cambia Health Solutions

March 2023 – December 2023

*Software Development Engineering Intern*

*Portland, OR*

- Implemented Datadog Application Performance Monitoring in Golang services, enhancing developers' ability to monitor service performance, including request counts, error rates, and latency.
- Led the migration of services to Kubernetes, optimizing for time and cost efficiencies, while enabling advanced deployment strategies, enhancing scalability, and bolstering security.
- Developed a diagnostic tool that providing critical insights into service metrics—including latency, hits, and error rates—and recommending service level objectives to ensure application performance and customer service.

### Siemens EDA

March 2022 – September 2022

*Software Engineer Intern*

*Wilsonville, OR*

- Redesigned the regression report system, adding sortable data, customizable reports, and improved visuals, which boosted data accessibility, enhanced user experience, and increased time efficiency by 30%.
- Designed an interactive web interface for running performance jobs, enabling server-side command execution and optional email notifications, reducing user time investment by 50% and allowing focus on other tasks.
- Developed a tool for analyzing and extracting key information from various computer chips, facilitating a better understanding of chip structures and improving bug detection efficiency.

## Projects

### Senior Capstone Project | *Portland Playhouse*

September 2023 - March 2024

- Created a Restful API endpoint to deliver critical event information and financial data, reducing data retrieval time, and enhancing the accuracy of sales report generation.
- Implemented advanced web functionalities using React, enabling users to filter events based on date range, sort data, and update sales reports dynamically without refreshing, allowing seamless date changes and reducing report generation time by 25%
- Developed a sales overview report using the new API endpoint, transitioning from hardcoded data to a dynamic, backend-driven approach for future reports.

## Education

### Portland State University

September 2019 – June 2024

*Bachelor of Science in Computer Science*

*Portland, OR*

- summa cum laude (GPA: 3.91)

## Technical Skills

**Programming Languages:** Python, JavaScript, Go, C++, C, SQL, TypeScript

**Web Technologies:** HTML, CSS, CGI Script, React, Flask

**Databases:** DynamoDB, Cloud Firestore, PostgreSQL

**Software Development Tools:** Datadog, Docker, Golang, GitHub, Jira, Kubernetes, VS Code, Google Cloud Platform

**Cloud Services:** Google Cloud, AWS

**Operating Systems:** Linux, macOS

## Relevant Coursework

- Data Structures
- Database Management
- Web Development
- Internet, Web, and Cloud Systems
- Artificial Intelligence
- Numerical Computation
- Voice Assistants