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 Go services, enhancing performance monitoring for developers and enabling DevOps teams to proactively address critical issues before affecting end users.
- 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 Go diagnostic tool that providing critical insights into service metrics—including latency, hits, and error rates-and recommending service level objectives to ensure optimal application performance and customer service.
- Resolved bugs in Localstack, ensuring developers could continue testing AWS applications locally.

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, 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, Node.js
Databases: DynamoDB, Cloud Firestore, PostgreSQL
Software Development Tools: Datadog, Docker, Goland, GitHub, Jira, Kubernetes, VS Code, Google Cloud Platform
Cloud Services: Google Cloud
Operating Systems: Linux, macOS

Relevant Coursework

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