Eugene Song

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EDUCATION

Oregon State University – Corvallis, OR   December 2023
Bachelor of Science in Computer Science (3.88 GPA)
Relevant Coursework: Data Structures, Algorithms, Web Development, Databases, Operating Systems, Software Testing, Parallel Programming, Open Source Software, Intro to Security

California State University – Long Beach, CA   June 2021
Bachelor of Science in Health Science, Specialty in Community Health

SKILLS

- Languages: Swift, Python, Java, Javascript, MySQL, Typescript, C, Pega
- Tools & Frameworks: FastAPI, GraphQL, React, React Native, Express, MongoDB, NodeJS, Firebase, Postman, Parse, Cocoapods, Git, Kubernetes, Docker, CI/CD, Agile, SAFe, Test Driven Development (TDD), REST APIs

EXPERIENCE

enGen - Highmark Health   May 2023 - Oct 2023
Software Engineering Intern
- Optimized components across diverse Pega applications to guarantee performance and reliability. Collaborated with teams to identify and rectify issues, enhancing overall application quality.
- Leveraged Pega's low-code environment to customize applications, utilizing features like case management and decision processes. Ensured alignment with best practices and security protocols.
- Researched, established, and presented technical documentation to internal teams, enabling informed discussions on tool viability.

International Activities Club   Aug 2021 - Jan 2022
Chess Instructor
- Successfully developed and implemented comprehensive chess fundamentals curriculum, consistently delivering high-quality instruction in six-week sessions.
- Facilitated simultaneous chess matches for a group of approximately 20 students, providing valuable in-person chess experience.

PROJECTS

SafeSave - *A Fully Secure Data and Notes Management Web Application* | *Team of 4*   [Github](#)
- Engineered robust RESTful APIs using SQL, ExpressJS, React, and JavaScript, enabling efficient CRUD operations for seamless backend database interaction.
- Orchestrated the integration of complex RESTful APIs across multiple microservices, ensuring streamlined communication and reliable data exchange to support application scalability.
- Innovated the security model by integrating 2-Factor Authentication, significantly enhancing the protection of user accounts against unauthorized access.

Omok Web Application Game | *Personal*   [Website](#)
- Designed and launched a real-time multiplayer online game, "Omok" (5-in-a-row), allowing 1:1 player matchups.
- Engineered a robust backend API, streamlining client-server interactions for an enhanced gameplay experience.
- Leveraged advanced web technologies including Typescript, Javascript, NextJS, and integrated Firebase Firestore and Firebase Auth for seamless user authentication and data management.

FÜÜD iOS Mobile App - 1st Place National Demo Day Codepath Hackathon Fall 2022 | *Team of 5*   [Github](#)
- Developed the algorithm to enable infinite scrolling through restaurant cards with continuous API calls for nearby cities, leveraging Swift, Cocoapods, Koloda, Yelp API, and GeoDB Cities API.
- Collaborated on integrating a Parse backend database for storing user information and saved restaurants.