Luke Zhuang

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EDUCATION

California Polytechnic State University, San Luis Obispo
B.S. *Computer Science* to be conferred March 2025

COURSEWORK

- Software Engineering
- Data Structures
- Computer Organization
- Object-Oriented Programming
- Systems Programming
- Technical Writing/Communication

SKILLS

- **Tools/Frameworks:** AWS, Azure, GitHub Actions, React.js, Node.js, Express.js, Cloud Computing, Continuous Deployment, MongoDB
- **Programing:** JavaScript, TypeScript, Python, Java, HTML5, CSS3, C++
- **Libraries/Technology:** Sass, JWT, Axios, Bcrypt, Figma
- **Operating Systems:** Linux, Windows, macOS, UNIX

EXPERIENCE

Ultra Smile, 367 9th Street Oakland, CA 02.2019 - 05.2020

Web Developer – Increased website traffic and revenue by developing and maintaining various websites for a toothpaste company. Enhanced the company's brand through creative promotional videos and flyers.

PROJECTS

Full-Stack Inventory Management System: Live Site | Github
Developed a full-stack inventory management app using React, Node.js, and MongoDB, featuring intuitive inventory tracking, secure authentication with JWT, and RESTful APIs.

Interactive JavaScript Blackjack Game: Live Site | Github
Created a fun Blackjack game using JavaScript, HTML5, and CSS. Includes real casino features like splitting hands, doubling bets, and special payouts for Blackjack. The game is optimized for all devices.

Server-and-Client: Github
A web server that has been implemented to support a subset of the Hypertext Transfer Protocol (HTTP) . This webserver is designed to service multiple

client requests by forking child processes, which are responsible for handling the actual requests.

Matrix-Multiplication: Github

Examines the performance enhancements achieved by parallelizing matrix multiplication using two strategies: SIMD and Multithreading

ACTIVITIES

Electrical & Computer Engineering Honor Society (HKN)

Member, 2020 - Present

Computing Research Associations (CRA)

Member, 2020 - Present

REFERENCES AVAILABLE UPON REQUEST