

Luke Zhuang

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[Portfolio](#)

[Linkedin](#)

[Github](#)

EDUCATION

California Polytechnic State University, San Luis Obispo

B.S. *Computer Science* to be conferred March 2025

COURSEWORK

- Software Engineering
- Computer Organization
- Systems Programming
- Data Structures
- Artificial Intelligence
- Object-Oriented Programming

SKILLS

- **Tools/Frameworks:** AWS, Azure, GitHub Actions, React.js, Node.js, Express.js, Cloud Computing, Continuous Deployment, MongoDB, SQL
- **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 by 41% through development and optimization of the company’s website. Boosted brand visibility with a 27% increase in social media engagement by creating innovative promotional videos and flyers.

PROJECTS

Inventory Management App:

[Live Site](#) | [Github](#)

React, Node.js, TypeScript, Express.js, MongoDB, AWS, JWT, Axios, Bcrypt, Sass

- Implemented secure user authentication with password encryption using Bcrypt, reducing security vulnerabilities.
- Enhanced user experience with a responsive UI built in React and styled with Sass
- Deployed app data on Amazon S3, optimizing database storage and enhancing data retrieval speed.
- Integrated TypeScript to enforce type safety across the codebase, enhancing code readability and reducing runtime errors.

Blackjack:

[Live Site](#) | [Github](#)

JavaScript, HTML5, CSS3

- The game is fully optimized for cross-device compatibility.
- Implemented authentic game rules, including splitting hands, doubling bets, and special payouts for Blackjack, enhancing the user experience.