LUCAS AMBERG

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EDUCATION

California State University, Long Beach   Long Beach, CA
Bachelor of Science in Computer Science   *August 2022 – May 2026*
- GPA: 3.723
- Relevant Coursework: Data Structures, Algorithms, Object Oriented Application Development, Discrete Structures
- Member of Kappa Sigma Fraternity, Google Developer Student Club, and Association for Computing Machinery
- Dean's Honor List   *Fall 2022, Spring 2023*
- President's Honor List   *Fall 2023*

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, TypeScript, HTML/CSS
Frameworks: React, Node.js, Tailwind CSS, Express.js, Next.js
Developer Tools: Git, VS Code, Visual Studio, PyCharm, Linux OS
Databases: MongoDB, PostgreSQL
Concepts: Data Structures, Full Stack Web Development, REST APIs

EXPERIENCE

Information Technology Student Specialist   March 2023 – Present
Port of Los Angeles   *Los Angeles, CA*
- Streamlined application and computer setup process resulting in a 30% reduction in overall setup time by implementing customized batch scripts and terminal operations.
- Proactively reduced downtime and ensured smooth operations by completing 100+ repairs of PCs, laptops, printers, and network devices.
- Solved complex hardware and software issues on a daily basis by utilizing interpersonal communication skills and collaborating with co-workers.

PROJECTS

Ethereum.org Website | *TypeScript, Next.js, Chakra UI*   January 2024 – February 2024
- Contributed content to the Ethereum.org DeSci and Whitepaper pages fixing 4 issues in 3 pull requests.

Rhaptec Manufacturing Website | *React, JavaScript, CSS, Node.js, Express.js*   November 2023 – Present
- Developed a full-stack web application using React with JavaScript for the front end and Node.js with Express.js on the back end for a client's manufacturing company, and designed layouts using CSS.
- Leveraged React Router to efficiently manage client-side routing and navigation within web page, ensuring a seamless and user-friendly browsing experience.
- Applied JavaScript libraries to handle form data to be submitted to email for customer questions and quote inquiries.

Weather App | *React, TypeScript, Next.js, Tailwind CSS, Vercel*   December 2023 – January 2024
- Engineered a full-stack application using Next.js/React with TypeScript on the front end and Next.js server actions with Vercel for the back end.
- Created a server component which fetches and parses data from Geocoding and Weather APIs to display current weather and forecast data.
- Programmed dynamic styles for all screen layouts using the Tailwind CSS framework, including light and dark mode.

AI Conversation | *Python, OpenAI API, Tkinter*   January 2024 – Present
- Manufactured an application using OpenAI's API and Python to simulate a conversation between two AI Agents, featuring a GUI and a logging system to store conversations.
- Implemented a system for users to select which characters they would like simulated.
- Designed a user friendly GUI using Tkinter to display the conversation results to the user.

Restaurant Page | *React, TypeScript, Next.js, Tailwind CSS, PostgreSQL, Vercel*   January 2024
- Utilized React libraries and Tailwind CSS to create captivating styles for mobile and desktop.
- Developed a back-end database using PostgreSQL and Vercel to store reservation data.
- Implemented a login system to access and delete reservations in the database using Next-Auth, PostgreSQL, and Vercel.

LEADERSHIP

- Served as Grand Scribe and Recruitment Chairman for Kappa Sigma, directed a 25 person committee over 4 months.
- Raised $10,000 for the Military Heroes Campaign over a 1 year period as Assistant Philanthropy Chairman of Kappa Sigma.
- Planned a $1000 budget used to orchestrate five recruitment events, drawing 200+ attendees.
- Organized a $500 budget for an Alumni networking event drawing 60+ attendees.
- Wrote and delivered newsletters to 1500+ chapter alumni.