

# LUCAS AMBERG

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[lucasamberg.dev](https://lucasamberg.dev)

## EDUCATION

### California State University, Long Beach

Bachelor of Science in Computer Science

Long Beach, CA

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

### 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.
- 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.
- Organized pages and designed layouts using CSS.

### 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 stored in the database using Next.js, PostgreSQL, and Vercel.

## LEADERSHIP

- Served as Grand Scribe and Recruitment Chairman for Kappa Sigma, directing a 25 person committee over a 4 month period.
- Planned a \$1000 budget used to orchestrate five recruitment events, drawing 200+ attendees.
- Wrote and delivered newsletters to 1500+ chapter alumni.
- Organized a \$500 budget for an Alumni networking event drawing 60+ attendees.