Lucas Amberg

github.com/lucas-amberg | lucasamberg.dev | linkedin.com/in/lucasamberg | lucasamberg@icloud.com

Education

California State University, Long Beach — Long Beach, CA

Bachelor of Science in Computer Science | GPA: 3.794 — *August 2022 – May 2026*
- Relevant Coursework: Data Structures, Algorithms, Object Oriented Application Development, Discrete Structures
- Member of Kappa Sigma Fraternity, Google Developer Student Club, Association for Computing Machinery, AI Research Club, Virtual Reality Operations Club
- President's Honor List   *Fall 2023, Spring 2024*
- Dean's Honor List   *Fall 2022, Spring 2023*

University of Hertfordshire — Hatfield, England, UK

Bachelor of Science (Honors) in Computer Science — *August 2024 – January 2025*
- Studying abroad this fall to gain new insights and build my Computer Science skills.

Experience

Software Engineer — August 2024 – Present

Hirebird — *New York, NY*
- Implementing "Apply on Hirebird" feature, a one click solution for job applications on Hirebird partnered positions, used by 3000+ job posts and 12000+ applicants.
- Resolved dozens of performance issues related to data fetching, reducing load times by an average of 0.5s per page on all pages of the platform.
- Built an automated web scraping system using Puppeteer and OpenAI, scraping 1000+ jobs per day and self adjusting to achieve maximum results.

Software Engineering Intern — June 2024 – August 2024

PlutoTV — *Los Angeles, CA*
- Developed six library generators and four app generators with Nx, making library and app generation over 80% faster.
- Documented and presented my work on app and library generators to 200+ team members in 2 presentations.
- Delivered a presentation on improving React Native apps for screen readers about better focus and keyboard navigation.

Software Engineering Intern — February 2024 – June 2024

Hirebird — *New York, NY*
- Implemented live messaging with file uploads. Used AWS S3, Liveblocks, and Next.js. Styled using Panda CSS and Park UI recipes for a clean, consistent style.
- Integrated smart Google Calendar scheduling for interviews using Google APIs for 10000+ candidates.
- Scrummed with a team of 10+ developers 2-3 times weekly, used Figma, Jira, Miro, Notion, and other tools to visualize concepts and plan sprints or kanban.

Information Technology Student Specialist — March 2023 – May 2024

Port of Los Angeles — *Los Angeles, CA*
- Automated Microsoft Office patches on 200+ computers with Visual Basic scripts, which cut update times by 80%.
- Streamlined app and computer setup with custom batch files and command line operations, which cut setup time by 30%.

Recruitment Chairman, Grand Scribe, Assistant Philanthropy Chairman — August 2022 – August 2024

Kappa Sigma Fraternity — *Long Beach, CA*
- Raised $10,000 for the Military Heroes Campaign over a 1 year period as Assistant Philanthropy Chairman of Kappa Sigma.
- Served as Recruitment Chariman of Kappa Sigma, organizing a $1000 budget used to orchestrate five recruitment events that attracted 200+ attendees, and directing 26 committee members.

Technical Skills

Languages and Frameworks: TypeScript, JavaScript, Python, Next.js, React.js, Java, Panda CSS, Tailwind CSS, CSS, HTML
Databases: MongoDB, Neo4J, Cypher, PostgreSQL

Projects / Open Source

Interngoat, Co-Founder | *TypeScript, Neo4j, Next.js, OpenAI API, Web Scraping, Panda CSS* — August 2024 – Present
- Built autonomous web scraping system to find and input internships worldwide, adding 250+ internships.
- Developed the full platform including an internship list and search feature, company list, and newsletter.
- Designed and implemented a newsletter system using Resend and Vercel, sending a email everyday with new internships.

Clear View, Lead Engineer | *TypeScript, Neo4j, Next.js, Panda CSS, Systems Design* — June 2024 – Present
- Designing CRM system with client sign up and invoice management for 200+ customers, and employee management for 15 employees. Facilitating contact and long term relations leading to over $2000 in sales.
- Building front end homepage for client reviews, photo gallery, and more marketing pages optimized for SEO.

Uix Graph Library, Maintainer | *TypeScript, Zod, Neo4j, OpenAI API* — June 2024 – Present
- Contributed entirety of documentation, allowing for several new users and contributors to access the library.
- Designed 30+ unit tests using Vitest to assert core graph database interactions and successful vector embedding of nodes.