

Caspar Broekhuizen

+1 (424)-832-0144 | cbroekhuizen@g.ucla.edu | casparb.com | linkedin.com/in/caspar-br | Australian/UK Citizen

SUMMARY

As a UCLA Computer Science (3.82/4.00 GPA), I excel in building elegant software. My experience spans full-stack development, DevOps workflows, user-centric interfaces, and the application of GenAI to software development.

EDUCATION

University of California, Los Angeles (UCLA)

Los Angeles, US

- BS Computer Science - 3.82/4.00 GPA *Sep 2021 – Jun 2025 (Expected)*
- Coursework: OOP, Data Structures, Algorithms, Software Construction, Data Science, Visualization, ML, AI, NLP

WORK EXPERIENCE

Carma

Sydney, Australia

Software Engineer Intern

Aug 2023 – Sep 2023

- Drove the software development life cycle (SDLC) of microservices using Google Kubernetes Engine (GKE)
- Overhauled backend logging mechanisms, enhancing ops support capability and saving \$30K/yr in soft costs

Los Angeles Ski and Board Club

Los Angeles, US

Executive Staff Member, Software Engineer

Jan 2023 – Now

- Built a reactive website using React and Firebase/Node.js for automated distribution of exclusive member benefits
- Integrated Stripe API, processing \$40K in transactions over six months, boosting efficiency and user experience
- Engineered and currently maintain a secure backend with Firestore for efficient member data management

Association for Computing Machinery (ACM) at UCLA

Los Angeles, US

UI/UX Designer

May 2022 – Jan 2023

- Designed responsive UI/UX for web/mobile apps via Figma, wrote documentation for ACM's design standards
- Bridged ACM dev teams and project stakeholders, conducting user research to inform 10+ scalable interfaces

Young Tech Professionals UCLA

Los Angeles, US

Software Engineer, UI/UX Designer

Sep 2021 – Dec 2021

- Led team in 6-week sprint to deploy health-tech app using React, integrating WebSocket for real-time messaging
- Used SonarQube with GitHub Actions for CI/CD, reducing project overhead by smoothing developer workflows

Premier Tutors

Sydney, Australia | London, UK

Web Developer, Computer Science Tutor

Feb 2021 – Jul 2021

- Overhauled company website using git and modular design principles for improved scalability and maintenance
- Taught Python/JavaScript to four students, emphasising efficient algorithms and best design patterns for scalability

PERSONAL PROJECTS

Vagabond | LA Hacks 2023 Hackathon

April 2023

- Built an AI-driven travel site with Node.js/Express, used a custom wrapped LLM to generate tailored travel advice

RateMyFood UCLA

Nov 2022 – Jan 2023

- Developed a full stack React app for UCLA dining hall ratings with a Firebase backend and responsive frontend
- Wrote a custom API for UCLA dining menu web-scraping, ensuring in-app accuracy with live menu changes

Link Social Media

April 2022 – Dec 2023

- Partnered with UCLA Anderson for business strategy on a Google Maps Platform-based social networking app
- Finished MVP for deployment, refining based on 50+ beta testers' insights for improved functionality and usability

SKILLS

Languages: C, C++, Swift, Python (Pandas, SciPy, PyTorch), JavaScript (React, Node, Next), HTML, CSS, SQL

Tools: Git, CI/CD, Docker, GCP, GKE, AWS, REST APIs, Firebase, SonarQube, Postman, Google Cloud Pub/Sub