

# ALDRIN ONG

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## EDUCATION

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**University of California, Berkeley**

**Expected Graduation: 05/2025**

*B.A. Computer Science, B.A. Data Science*

*GPA: 3.7/4.0*

- **Coursework:** Data Structures (Java), Algorithmic Thinking, Principles & Techniques of Data Science (Python), Intro to AI, Discrete Math, Computer Architecture (C), Operating Systems (C/Rust), Computer Security (C/x86/Go)
- **EC: Mobile Developers of Berkeley, SBC Consulting, Sigma Eta Pi** (Entrepreneurship Fraternity)

## EXPERIENCE

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**Amazon (AWS)**

**East Palo Alto, CA**

*Software Development Engineer Intern (AI Focus)*

05/2024 – 08/2024

- Propelled the team's cutting-edge initiative of introducing GenAI to the AWS search engine (AKA Semantic Search), leveraging NLP, RAG, and ML models, improving relevancy accuracy for longer queries by 70%
- Developed an AI-powered test playground for semantic search, improving ML retrieval accuracy by up to 14%
- Optimized production pipeline, improving development time by 30% and synchronization efficiency by 25%
- Leveraged Java, RESTful APIs, and AWS services (Lambda, WAF, SNS, SQS, S3, and Elastic Search) for back-end development, while utilizing SageMaker and Python for ML deployment

**Amazon (AWS)**

**East Palo Alto, CA**

*Software Development Engineer Intern*

05/2023 – 08/2023

- Drove the ideation to launch process of a high-visibility full-stack feature within the AWS console, leading to a 20% improvement in customer usability and customer satisfaction metrics across the global userbase
- Reduced the P90 latency of user requests by 86% through the implementation of effective multithreading
- Implemented over 20,000+ lines of efficient, scalable, and high-security code in production, ensuring 100% test coverage, thereby significantly improving user experience of over 3 million AWS customers globally
- Leveraged Java, RESTful APIs, and AWS services (Lambda, EC2, Route53, WAF, and Elastic Search) for back-end development, while utilizing React, TypeScript, JavaScript, HTML, and CSS for front-end

**Lookout Safety via Mobile Developers of Berkeley**

**Berkeley, CA**

*Lead Full-stack Software Engineer (Contract)*

07/2023 – 01/2024

- Engineered and launched a comprehensive mobile app from scratch, collaborating closely with Lookout Safety's CEO, CTO, and CPO to tailor functionalities to user needs and company objectives
- Achieved a 5.0 user rating and a 370% increase in downloads post-launch, with 99% test coverage
- Authored over 6,000+ lines of code in React Native, JavaScript, TypeScript, HTML, CSS and leveraged Supabase for Postgres DB management and auth, leading to a highly responsive and intuitive user interface

**Jetzy**

**Remote, New York**

*Lead Product Manager*

05/2022 – 12/2022

- Enabled 530% increase in new users by identifying and executing sign-up flow improvements
- Lead cross-functional teams of 12 to prioritize, prototype, and pursue highest impact opportunities

**TRAINME**

**Jakarta, Indonesia**

*Founder and CEO/CTO*

06/2019 – 01/2021

- Founded an app that connects tennis coaches with students and is a one-stop platform for tennis enthusiasts
- Received 500+ downloads, #3 trending on Google Play Store, and endorsed by Indonesian Tennis Association
- Leveraged knowledge in Android, Java, PHP, MySQL Databases, CI/CD, OOP, Python, Selenium, Git

## PROJECTS

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**Athena** 📄 | [Web App - AI](#)

**08/2024**

- Developed an AI web platform that uses RAG and LLMs to make learning more interactive.

**Lecturely** 📄 | [React Native App](#)

**04/2023**

- Developed a fully functional React Native app that allows students to notify professors about lecture speed

## SKILLS AND INTERESTS

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**Languages:** Python, Java, React, Dart, C++, C, JavaScript, SQL, TypeScript

**Tools:** Visual Studio, Android Studio, IntelliJ Idea, Atom, Anaconda, Jupyter, Adobe XD, Photoshop, Figma

**Technologies/Frameworks:** GitHub, Scrum, Agile, Tensorflow, Flutter, Heroku, Android, A/B Testing, Excel, Tableau, KPI, AWS, Jira, Google Analytics, Threat modeling, Test automation, Selenium, Firebase, Vue.js, Node.js

**Foreign Languages:** Mandarin, Cantonese, Indonesian, Malay

**Interests:** Tennis, Soccer, Gaming, Volunteer, Travel, Anime, Debate, Automation, Machine Learning, Startup