Andy Young

andyluyoung@gmail.com | (808) 218-8306 | andyluyoung.com | github.com/ayoung19

Education

University of California, San Diego   Sep 2019 - Jun 2023
B.S. Computer Engineering
- **Relevant Coursework:** Compilers (Rust), Operating Systems (C), Distributed Systems (Go), Functional Programming (Haskell), Data Structures (C++), Networking (C), Computer Security (C)

Experience

Aurora | *Software Engineer*   Jul 2023 - Present
- Working across the autonomous vehicle stack in **Go, C, C++** and **React (TypeScript)**.

Complete (YC W22) | *Contract Software Engineer*   Oct 2022 - May 2023
- Independently delivered numerous end-to-end features using **Python, React (TypeScript),** and **GraphQL**.
- Initiated and executed on improvements to frontend architecture and developer experience.

U.GG | *Contract Software Engineer*   Mar 2022 - Oct 2022
- Worked on various projects across the stack using **Elixir, TypeScript, React (JavaScript), Sass, GraphQL, PostgreSQL, Elasticsearch,** and **AWS (Lambda, SQS)**.

Coinbase | *Software Engineer Intern*   Jun 2022 - Sep 2022
- Created a microservice with **Go** that scans for + fixes data inconsistencies between **S3** and **PostgreSQL**.

Verkada | *Software Engineer Intern*   Mar 2022 - Jun 2022
- Designed and developed the entire front and back end of Mustering, a feature in access control systems for tracking the locations of people in emergency situations, using **React (TypeScript), Python, Go,** and **PostgreSQL**.

Flexport | *Software Engineer Intern*   Jul 2021 - Sep 2021
- Built a feature that allows Flexport's operations specialists to view the history and metadata of date changes in a shipment's route using **React (Flow), Java,** and **GraphQL**.

Okta | *Software Engineer Intern*   Apr 2021 - Jul 2021
- Eliminated tech debt in Okta's **React (TypeScript)** monorepo by extracting repeating internationalization code into a reusable package with a robust API and created a performance logging system using **Node.js** that automatically uploads a weekly Lighthouse report of any pre-production site to **AWS (S3)** for teams to view.

ADP | *Contract Software Engineer*   Jul 2019 - Sep 2020
- Worked directly with Tory's Roofing, a client of ADP, to automate and digitalize their employee/job management system by developing a web app using **Ruby on Rails** allowing foreman to submit timesheets on an intuitive mobile UI and managers to review and automatically perform the payroll every week.

Projects

Chatfolio | chatfol.io · github.com/ayoung19/chatfolio   Jun 2025
- Built a web app using **Next.js** and **InstantDB** that lets users turn unstructured work into interactive portfolios they can effortlessly create, maintain, and share.

Clipboard History IO | clipboardhistory.io · github.com/clipboard-history-io   Sep 2024
- Designed, architected, and built an open source clipboard manager browser extension and companion mobile app using **React (TypeScript)**, **React Native (TypeScript)**, **Next.js (TypeScript)** and **InstantDB**; currently has ~5,000 weekly active free users and ~50 paid subscribers.

Online Capture The Flag | node-ctf.onrender.com · github.com/ayoung19/node-ctf   Mar 2017
- Developed a real-time online multiplayer 3v3 capture the flag game using **Node.js**.

OP.GG Search | opgg.andyluyoung.com · github.com/ayoung19/opgg-extension   Jun 2016
- Created a Chrome extension with **JavaScript** as a high school freshman that added features to a League of Legends stats site and had ~6,000 weekly active users.

Skills

- **Languages:** JavaScript, TypeScript, Python, Ruby, Java, C, C++, Go, Haskell, Elixir, Rust, Gleam
- **Frameworks:** React, Next.js, Expo, Node.js, Express.js, Flask, Rails, Spring, Lustre