Andy Young

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Education

University of California, San Diego   Sep 2019 - Jun 2023
B.S. Computer Engineering   La Jolla, CA
- **Major GPA:** 4.0

Experience

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

Flexport   Jul 2021 - Sep 2021
Software Engineer Intern
- 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   Apr 2021 - Jul 2021
Software Engineer Intern
- 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 an **Amazon S3** bucket for teams to view.

PINT   Oct 2020 - Jan 2021
Software Engineer Intern
- Developed automated QA tools with **Node.js** and independently created a responsive 12-page website for a client using semantic **HTML** and completely custom **CSS**.

ADP   Jul 2019 - Sep 2020
Contract Software Engineer
  - **Domino's Pizza**
    - Used **Node.js** and **MongoDB** to create a webapp that aggregates data from 500+ employees of Domino's Pizza to automatically perform a weighted distribution of tips, generate payroll sheets for ADP, and track healthcare eligibility.
  - **Tory's Roofing**
    - Automated and digitized the employee/job management system of Tory's Roofing by developing a webapp using **Ruby on Rails** that allows foreman to submit timesheets on an intuitive mobile UI and managers to review and automatically perform the payroll every week.

Projects

This Tab Helps The Planet | this-tab.com   Winter 2018
- Created a webapp using **Ruby on Rails** and chrome extension using **JavaScript** that allows users to donate money generated by viewing ads on their new tab page to charities of their choice.

Online Capture The Flag | node-ctf.herokuapp.com   Spring 2017
- Developed a lightweight online real-time multiplayer capture the flag game using **Node.js** and socket.io.

OP.GG Search | opgg.andyluyoung.com   Summer 2016
- Created a Chrome extension with **JavaScript** as a freshman in high school, which currently has 5,000+ users, that adds extra features to a League of Legends statistics website.

Skills

- **Languages:** JavaScript, TypeScript, Python, Ruby, Java, C, C++, Go, Haskell, Elixir
- **Frameworks:** React, Node, Flask, Rails, Spring
- **DBMS:** MongoDB, PostgreSQL