Danny Nguyen

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Education

University of California, Irvine — Sept. 2015 – Mar. 2020
B.S. in Computer Science and Engineering
GPA: 3.50

Work Experience

Software Development Engineer Intern @ **Amazon** — Jun. 2019 – Sept. 2019
New York, NY

- Back-end engineering on the Amazon Fashion team
- Optimized recommendation service by integrating and load testing a scalable cloud storage solution
- Developed a reactive feature that improved overall service throughput and CPU utilization
- Generated graphs to monitor request latencies for over 3,000 requests per second

Software Development Engineer Intern @ **Amazon** — Sept. 2018 – Nov. 2018
Seattle, WA

- iOS app development on the Alexa Auto team
- Created a library to collect and analyze user behaviors within the Alexa Auto app
- Integrated an iOS feature that predicts in-app user behaviors and adjust UI elements accordingly
- Built a data pipeline in AWS to store, analyze, and visualize user behaviors in the cloud

Business Intern @ **Google** — Jun. 2018 – Aug. 2018
Boulder, CO

- Developed a program for Google Account Strategists, automating over 2,500 hours of work per year
- Designed a front-end user interface and implemented it in JavaScript
- Designed logos and graphics for Google teams

Technical Research Assistant @ **UC Irvine Neurobiology** — Sept. 2017 – Dec. 2018
Irvine, CA

- Supported scientists through code development and optimization for ongoing research projects
- Wrote machine learning scripts to process neurobiology datasets and patient brain data

Projects

Matchy – A hackathon project that processes users Facebook profiles and reveals their top personality traits.

Reddit Data Visualization – A personal project that applies machine learning on Reddit data to reveal hidden correlations between users and their interests. The manipulated data is visualized on a graph.

Thales Project Arduino – An embedded project for the Thales competition. It is an RC car that is controlled wirelessly from a computer. Built using Arduinos, RC hardware, sensors, and eye detection technology.

Skills

Programming – Python, Java, C++, C, Swift, SystemVerilog, HTML, CSS, JavaScript, SQL
Design – UI Design, Sketch, Adobe Photoshop
Other – Flask, React, Flutter, AWS