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### Education

#### **University of California, San Diego**

3.96 GPA

**B.S. COMPUTER SCIENCE** Spring 2024

B.S. COGNITIVE SCIENCE (SPECIALIZATION: DESIGN AND INTERACTION)

- Regents Scholar: scholarship awarded to 1% of UCSD students on the basis of academic excellence
- Coursework: Machine Learning, Interaction Design, Data Structures, Algorithms, Systems Design, Functional Programming

## Work Experience \_\_\_\_

LinkedIn Sunnyvale, CA

MOBILE ENGINEER INTERN Jun. 2023 - Present

• Incoming summer intern at LinkedIn. Will be working in Swift and Objective-C on improving LinkedIn's Job Search page.

MaXentric San Diego, CA

SOFTWARE ENGINEER INTERN

Jun. 2022 - Sep. 2022

- Designed and built hybrid web, iOS, and Android app using Ionic and Capacitor frameworks in Vue.js with TypeScript to interface with medical device microcontroller over Bluetooth LE and graph electrocardiogram data in real time.
- Implemented frame check sequence in C for Wi-fi MAC layer on Xilinx FPGA towards building reliable 5G millimeter-wave radio platform.

#### **UCSD Computer Science and Engineering Department**

San Diego, CA

INSTRUCTIONAL ASSISTANT

Aug. 2021 - Present Taught 500+ undergraduate students C, C++, and ARM assembly for systems programming and data structures courses.

- Hosted guided lab hours and one-on-one sessions to assist students with pointers and memory management, basic processor circuits, Linux CLI,
- and data structures.

**Social Chat** San Francisco, CA

SOFTWARE ENGINEER INTERN

Jul. 2021 - Sep. 2021

- Redesigned homepage for livestreamed video shopping platform in JavaScript, HTML, and CSS to optimize conversion rate and improve usability.
- Employed Diango and custom Bootstrap templates to automatically populate and update webpage information from back-end PostgreSQL database, eliminating the need for manual data entry and styling.

# Proiects\_

**ZooSeeker:** Automated shortest-route planner for the zoo

Mar. 2022 - Jun. 2022

- Developed Android app to plan shortest pedestrian routes through selected exhibits at the San Diego Zoo.
- Leveraged Android's Location API and JGraphT to redirect users based on their actual current location in real time.
- Employed agile development principles using GitHub and ZenHub, allowing team of 6 to collaborate effectively.
- Built unit, integration, and systems tests in **JUnit**, **Espresso**, and **Robolectric** to validate correct behavior.

**Surfn:** Matchmaking-based video-calling for college students

Aug. 2020 - Jul. 2021

- Developed backend for matchmaking-based video-calling iOS and Android app for college students.
- Employed transactions and batched writes with Google Firebase/Firestore to allow for multi-threaded operation.
- Tracked user feedback to improve matchmaking by writing Python interface to PostgreSQL database.
- Built load-testing library employing **Docker** and **docker-compose** to test matching algorithm with simultaneous matches.

# Leadership

**VICE PRESIDENT FINANCE** 

### **Association for Computing Machinery at UC San Diego**

San Diego, CA

Apr. 2021 - Present

- Executive board member of the Association for Computing Machinery, the largest computing organization on campus with 1700+ members.
- Oversaw 5-member finance team responsible for funding events and merchandise through corporate sponsorship and internal fundraising.
- Spearheaded communication with UCSD faculty to establish internal logistics for 100+ events each year.
- Raised over \$10,000 through collaboration with university and industry partners.

## Skills

Languages Python, C++, Swift, Rust, Java, C, Objective-C, SQL (Postgres), JavaScript, TypeScript, HTML, CSS, Haskell, Verilog, R, Bash Developer Tools Git, Docker, Make, XCode, Postman, pgAdmin 4, Amazon AWS EC2, Google Firebase, Facebook Watchman, GDB, TCL, Valgrind Frameworks Vue, React Native, Ionic, Capacitor, Quasar, Django, JUnit, Espresso, Robolectric