Daniel Ho

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA
BS in Computer Science
Minor in Linguistics
May 2020 | Los Angeles, CA
GPA: 3.90 / 4.0

ORGANIZATIONS

HACKSC | hacksc.com
Director of Technology
- Led engineering team at USC's largest hackathon.
- Developed new dev and applicant portal, landing website, live event dashboard.
- Built supporting infrastructure for real time data sync during event.

Director of Logistics
- Event space management and transportation coordination between universities.

MAKERS
Team Lead
- Led a team of engineers and designers to build dual input speaker system. Circuit design with custom multiplexer, amplifier, Bluetooth components.

TROGONS A CAPPELLA
Director of Promotions and Relations
- Perform East Asian A Cappella for campus events. Designed promotional branding and events planning.

SKILLS

PROGRAMMING
C++ • Java • Javascript • Python
HTML • CSS • C • PHP
DEVELOPMENT
Node.js • Express.js • jQuery
Angular • React • Android
MySQL • MongoDB • git

AWARDS

USC Viterbi Dean's List
USC Academic Achievement Award
QuestBridge National Finalist

EXPERIENCE

FACEBOOK | Software Engineering Intern
May 2019 - August 2019 | Seattle, WA
- Backend Engineering on Messenger Infrastructure in C++ and PHP.
- Designed, Built, and Shipped new post processing procedures for contact and story delivery and storage. Worked across multiple teams to deliver support for their products.
- Optimizations resulted in CPU and Storage cost reduction. Successfully launched and in production.

SALESFORCE | Software Engineering Intern
May 2018 – August 2018 | San Francisco, CA
- Fullstack Engineering on Sales Cloud Accounts Team in HTML/CSS, Javascript, and Java.
- Planned and Drove development of a real time file streaming service for sales operations. Setup webservers, Built frontend desktop and mobile clients, backend data pipeline APIs, link generation algorithms, and stream handling through webRTC.

USC VITERBI SCHOOL OF ENGINEERING | Course Producer
August 2018 – May 2019 | Los Angeles, CA
- Undergraduate teaching assistant in Discrete Mathematics. Hold office hours, grade coursework, and assist discussions.

RESEARCH

NASA JET PROPULSION LABORATORY | AI Research Intern
October 2017 – May 2018 | Pasadena, CA
- Developed a TensorFlow convolutional neural network for sound detection rate in noisy environments. Compiled and synthesized sound clip datasets.
- Programmed a framework of developer tools for automated data aggregation, environment building, training, and analytics.

PROJECTS

HACKSC PORTAL | github.com/hacksc
January 2019 - Present | Los Angeles, CA
- Built HackSC's developer and applicant hackathon portal as a open source project. Backend in Node.js, Express.js, MongoDB, connected to frontend Angular components. Complete automated mass mailer, application reviewer, and submissions scoring system to handle thousands of users.

ECHO | Stanford Treehacks Winner
Februrary 2019 | Stanford, CA
- A fully anonymous and decentralized support platform to connect and enable sexual harassment survivors to take action. Built with Node.js on top of the Blockchain network, written and rendered with React.

ROADTRIP | Capstone Project
August 2017 – December 2017 | Los Angeles, CA
- Worked on a Electron desktop application project that allows users to create and share traveling itineraries in Google Maps. Built backend Java server with authentication, concurrent sync and MongoDB.