

Daniel Ho

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

BS IN COMPUTER SCIENCE
MINOR IN LINGUISTICS
May 2020 | Los Angeles, CA
GPA: 3.82 / 4.0

ORGANIZATIONS

HACKSC | HACKSC.COM

Director of Technology

- Led engineering team at USC's premier 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.

TROGONS A CAPPELLA

Vocalist

- Performed in an East Asian A Cappella group. Brand design, event management, and financing through a lot of boba sales.

SKILLS

PROGRAMMING

Javascript • Python • Ruby
Java • C++ • HTML/CSS

DEVELOPMENT

Node.js • React • Rails
SQL • bash • git • Bazel
Kubernetes • Terraform
Linux • Docker • AWS

AWARDS

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

LINKS

LinkedIn: linkedin.com/in/danielho54
Github: github.com/donutdaniel

EXPERIENCE

FLEXPORT | SOFTWARE ENGINEER

August 2020 - Present | San Francisco, CA

- Designed, developed, and productionized a reimagined developer experience built on *Kubernetes*. Built with custom *Ruby/Go* operators and a *Ruby/Bash* CLI, developers can develop faster on remote clusters instead of local laptops. Drove adoption to 100% across the engineering org.
- Led the effort to redesign and rewrite microservice docker structures from the ground up, reducing build times from minutes to seconds using *Bazel* and shrinking image footprint by more than 50%. Written for *Java*, *Ruby*, and *Node.js* with *gRPC* and *HTTP* support.
- Led the development of an initiative to use feature flags in microservices. Wrote SDKs in *Java* and *Ruby*. Deployed ECS proxies for performance improvement and reliability.

FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2019 - August 2019 | Seattle, WA

- Developed new post processing operation for contact and story delivery and storage in C++ on the Messenger Infrastructure team

SALESFORCE | SOFTWARE ENGINEERING INTERN

May 2018 - August 2018 | San Francisco, CA

- Fullstack development of a file streaming service with *Java* and *webRTC*.

USC VITERBI SCHOOL OF ENGINEERING | TEACHING ASSISTANT

August 2018 - May 2020 | Los Angeles, CA

- Teach Discrete Mathematics and Algorithms courses. Hold office hours, create and grade coursework, and lead/assist discussion seminars.

RESEARCH

USC KNOWLEDGE LAB (INK) | DIRECTED RESEARCH

January 2020 - May 2020 | Los Angeles, CA

- published paper (link): RICA: Evaluating Robust Inference Capabilities Based on Commonsense Axioms
- Evaluate pre-trained language models (BERT, GPT-2) for their commonsense reasoning against textual logic perturbations

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. Build data mining, training, and analytical tools.

PROJECTS

REPRESENTS.ORG | WEBSITE

- A crowdsourcing platform to send demands to your representatives.
- Built with React and Gatsby, with Google Maps and Civic API.

ECHO | STANFORD TREEHACKS WINNER

- An anonymous and decentralized support platform to connect and enable sexual harassment survivors to take action.
- Node.js, React, on Blockchain with Blockstack.