

Julia Luo



julialuo@berkeley.edu



+1 510-816-1580



juliazluo.me



github.com/julialuo



linkedin.com/in/juliazluo



devpost.com/julialuo

Skills

- Python
- Ruby
- Java
- JS/jQuery
- C
- Tensorflow
- PyTorch
- NumPy + SciPy
- React + React Native
- Android Studio + Firebase

Education

University of California, Berkeley

Electrical Engineering & Computer Science

- Eta Kappa Nu (EECS honor society) member
- Cumulative GPA: 3.98/4.00 | Technical GPA: 4.00/4.00

Expected
Graduation
Dec 2019

Experience

Stripe

User Security Team

- Revamp password complexity rules using the Zxcvbn Ruby library complying with recent security research
- Collaborate with my team to enable SAML/SSO (Single Sign On) login capabilities for merchants
- Develop back-end using Ruby, working especially with creating and modifying dashboard API endpoints

San Francisco, CA
May 2018 -
Present

Robotic AI & Learning Lab

Undergraduate Researcher under Sergey Levine

- Perform sparse patch training on PyTorch FCN model to achieve affordance segmentation for grasping objects
- Generate training data and validate models using MuJoCo physics simulator and 3D objects from Blender

Berkeley, CA
Jan 2018 -
Present

Google

YouTube Rights Management Team

- Created web app to showcase the sound recording and composition mapping abilities of the Content ID API
- Revised the back-end of auto-rejection algorithms to improve the fairness of the Content ID application flow
- Developed back-end with Python and front-end with Spitfire templating language, HTML, and Javascript

Mountain
View, CA
May 2017 -
Aug 2017

UC Berkeley EECS Department

CS 170 Teaching Assistant (Efficient Algorithms and Intractable Problems)

- Host weekly discussions and office hours, and develop exam and homework problems
- Help students with concepts like graphs, dynamic programming, linear programming, and NP-completeness

Berkeley, CA
Aug 2017 -
Present

CodeBase Berkeley

VP of Professional Development

- Student organization that develops quality software products for high-growth start-ups around the Bay Area
- Lead the sourcing and hosting of company-led tech talks, workshops, and networking events for members

Berkeley, CA
Jan 2017 -
Present

Awards

Accel Scholar (2018-2019)

- Highly selective industry mentorship program run by Accel Partners

Jane Street Electronic Trading Contest (2018)

- Finished 1st out of 33 invited teams

Dean's Honor's List (2016 - Present)

- Top 10% of engineering undergrads by GPA

CalHacks (2016)

- Won Social Impact award

ECOO Computing Contest (2016)

- Provincial rank of 26 out of 500 teams

Fermat Mathematics Contest (2015)

- Made National Honor Roll with approximate rank of 119/20000 participants

Projects

League of Legends Champion Selector

Hack the North 2017

- Trained TensorFlow model on 25,000 previous matches based on the 5 champion selections of each player
- Predicts the outcome of a match to 72% accuracy
- Front-end uses React JS, back-end uses Node JS

Waterloo, ON
Sep 2017

Preserve

Mobile Developers of Berkeley

- Expiry date tracking Android app which features receipt-scanning technology and smart expiry date prediction
- Developed using Android Studio in Java with Firebase back-end integration and Google Mobile Vision API

Berkeley, CA
Apr 2017