

Roger Ji

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EDUCATION

UC San Diego | *La Jolla, CA*

- B.S./M.S. in Computer Science
- Expected graduation: June 2023

Gunn High School | *Palo Alto, CA*

- GPA: 3.98 UW / 4.52 W
- 1550 SAT, 1500 PSAT, 13 AP Exams

SKILLS

Java • Python • HTML • CSS • JS • jQuery
Bootstrap • ReactJS • Selenium • Flask
PostgreSQL • Lisp • Git • Bash • Vim

COURSEWORK

- Intro to Computer Science & Object-Oriented Programming (Fall '19)
- Discrete Mathematics (Fall '19)
- Mathematics for Algorithms & Systems (Winter '20)
- Basic Data Structures & Object-Oriented Design (Winter '20)
- Software Tools & Techniques Laboratory (Winter '20)
- Computer Organization & Systems Programming (Spring '20)
- Advanced Data Structures (Spring '20)

HONORS

- National Merit Finalist, May 2019
- National AP Scholar, July 2018
- National German Exam Silver, May 2018
- USABO Semifinalist, March 2017
- Gunn Math Award, May 2016

LINKS

Website: rogerji.me

LinkedIn: [linkedin.com/in/roger-ji](https://www.linkedin.com/in/roger-ji)

GitHub: github.com/jiroger

EXPERIENCE

fortissimo, Full Stack Developer Intern

March 2018 - Sept 2018 | *San Francisco, CA*

- Used Adobe XD to design & refine 10+ unique wireframes.
- Structured landing & about pages by implementing ReactJS components, thus increasing code reusability.
- Assisted with Android app's framework via React Native.

Stanford Medicine, Bioinformatics Intern

June 2016 - August 2016 | *Stanford, CA*

- Developed Python scripts capable of parsing large (5GB+) FASTQ files and performing relevant sequence alignments.
- Wrote auxiliary modules streamlining the conduct and interpretation of BLAST and its outputs, respectively.

PROJECTS

Little Free Kindness, August 2019 | *Flask, PostgreSQL*

- Allows users to submit a kind note and read random ones submitted by other people (idea based off Little Free Library).

Dailies-Bot, July 2019 | *Python, Selenium*

- Performs tedious tasks in Neopets such as clicking through dailies, pricing shop items, and snatching up donations.

Shakespeare Generator, August 2017 | *Python*

- Generates Shakespeare-esque plays by applying the sliding word window model of NLP to his entire volume of work.

ACTIVITIES

PAUSD Zero Robotics Team, Member

August 2018 - May 2019 | *Palo Alto, CA*

- Every year, Zero Robotics teams compete to program the quickest, most efficient flight path for simulated satellites.
- Leveraged ZR's builtin C++ API to collect satellite data and calculate path of least resistance, thereby reducing fuel costs.

MIT BeaverWorks Summer Institute, CogWorks

July 2017 - August 2017 | *Boston, MA*

- Selective 4-week program centered around the theory, implementation, and applications of machine learning
- Among others, constructed a facial recognition program, simple search engine, and k-means clustering algorithm.