

Archie Sravankumar

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Education

Cornell University

Bachelor of Arts, GPA: 3.9

Computer Science and Mathematics

Ithaca, NY

Aug 2018 - May 2021

Relevant Coursework: Intro to Analysis of Algorithms, Functional Programming, Machine Learning, Computer System Organization and Programming

Other activities: Treasurer at Tau Kappa Epsilon Scorpion Chapter, Member at Cornell Alternative Investment Fund, Member at Cornell Angel Capital Club

Experience

Maxar Technologies, Space Solutions

Software CORE Engineering Intern

San Jose, CA

Jun 2019 - Aug 2019

- Accelerated binary command generation by creating python tool
- Streamlined flight software testing by creating flask app
- Documented testing workflows and legacy code

Cornell University - Dept. of Computer Science

Teaching Assistant

Ithaca, NY

JAN 2019 - MAY 2019

- Led interactive review sessions in discrete mathematics for groups of students
- Assessed student assignments and tests

Finalyze Inc

Data Science Intern

Chicago, IL

JUN 2017 - AUG 2017

- Preparing and Analyzing large datasets for analytics
- Analyzed Weather and GIS data to model macroeconomic trends
- Used python/PostgreSQL to store, manage, model and analyze data

Euler Circle

Member

Palo Alto, CA

AUG 2016 - MAY 2018

- Coursework: Cryptography, Combinatorial Games, Algebraic Geometry, p-Adic analysis
- Presentations: 3 player combinatorial games, a proof of a theorem about cubic surfaces, and the application of Hensel lifting to the discrete logarithm problem

Skill Set

Java, Python, flask, PostgreSQL, Javascript, jQuery, OCaml, git, Unit Tests, TDD, Agile, OpenCV, scikit-learn, keras

Awards

- CES Young Innovators Award 2018 (Predicting Alzheimer's Disease from retinal fundus images)
- Caltech Harvey Mudd Math Contest Fifth place

Links to Research and Personal Projects

Combinatorics Research: <https://arxiv.org/pdf/1806.00474.pdf>

Github: <https://github.com/as2647/>