

Archie Sravankumar

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Education

Cornell University

Bachelor of Science, Computer Science

GPA: 3.8

Ithaca, NY

Aug 2018 - May 2022

Relevant Coursework: Foundations of Artificial Intelligence, Artificial Intelligence Practicum, Machine Learning, Programming Languages, Computer System Organization, Systems Programming, Operating Systems

Other activities: Treasurer at Tau Kappa Epsilon, Scorpion Chapter, Treasurer and Economics/Business writer at The Advocate at Cornell

Experience

Frey Valet Inc.

Contract Full Stack Developer

Ithaca, NY

July 2020 - Present

- o Designed a real-time contract marketplace aimed at streamlining parking services
- o Designed core backend-services: Django-based REST API, Real-time location notification system, security, payment gateway integration
- o Designed iOS client for customers and contractors, and a web client for internal company analytics
- o Stack and Technology: Postgres/PostGIS, Django/DRF, Swift/UIKit, MapKit, Redis PubSub, AWS Elastic Container Service, Docker, Stripe API, 3rd party auth services

Canary Media

Co-Founder and Chief Technology Officer

Ithaca, NY

Jan 2020 - Present

- o Designed event management tools focused on music
- o Designed and implemented a scalable true RESTful service as a backend, native iOS frontend
- o Stack and Technology: MongoDB, Node/ExpressJS, SwiftUI, Amazon Lightsail, AWS Elastic Container Service, Docker, Redis, and SwiftUI

Maxar Technologies, Space Solutions

Software CORE Engineering Intern

San Jose, CA

May 2020 - Aug 2020

- o Accelerated binary CAN bus command binary generation 10x by creating python tool
- o Combined object-oriented and functional programming to produce programmer-friendly, and user-friendly tools
- o Documented testing workflows and legacy code

Cornell University - Dept. of Computer Science

Teaching Assistant

Ithaca, NY

Jan 2019 - Present

- o Led interactive review sessions in Discrete Structures and Functional Programming
- o Taught Functional Programming discussion section

Maxar Technologies, Space Solutions

Software CORE Engineering Intern

San Jose, CA

Jun 2019 - Aug 2019

- o Streamlined flight software testing by creating flask app
- o Documented testing workflows and legacy code

Finalyze Inc.

Data Science Intern

Chicago, IL

Jun 2017 - Aug 2017

- o Prepared and analyzed big datasets (10GB+) for analytics
- o Used Postgres with Django to store, manage, model and analyze data

Skill Set

Languages: Javascript, Python, C/C++, Java, OCaml, SQL, Swift

Libraries, Frameworks, Technologies: MongoDB, ExpressJS, React and NodeJS (MERN); Django; Flask; scikit-learn; keras; Web Security; AWS Services; Docker; git; Hadoop (Linkedin Learning Certified)

Other software skills/values: Test Driven Development; Strict adherence to software best practices; Writing idiomatic code

Other: Spanish, Tamil

Awards

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

Links to Research and Personal Projects

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

Website: <https://www.archishman.me>