Raayan A. Pillai

raayanpillai.com | Ridgewood, NJ
github.com/raayanpillai | (201) 925-8646
linkedin.com/in/raayanpillai | raayanp01@gmail.com

Education

University of Rochester, School of Engineering & Applied Sciences
BS in Computer Science

Rochester, NY
2014 - 2018

Experience

FINRA — *Software Engineering Intern, Summer 16*

- Implemented fuzzy string matching algorithms such as Jaro-Winkler into database retrieval systems to align data.
- Developed an internal web-service to normalize addresses relating to financial representatives and firms, using many popular, public geocoding APIs and a Flask back-end.
- Created a swipe-gate analysis software to monitor employees with a team of interns to better understand work patterns and discrepancies between reported and active working hours.

Bellhapp — *Software Engineer, Fall 15 - Present*

- Develop for a web and software startup for the automation of the food industry, and connected restaurants, based in Seattle, WA.
- Used Google Firebase to store data, and serve as the back-end for the application.
- Implemented a web-app using Angular2 for customers, administrators and employees of restaurants to interact with each other.

Projects

UR Coursesniper: Course sniping for the University of Rochester

- Created a web-scraper that pulls course information from the university's JavaScript listing page and stores it in a MongoDB database.
- Developed an assisting web interface for students to enter their email and a CRN (course reference number) to be notified when the scraper notices the class as open.

Gamma Pi Access: Inter-fraternal management system

- Built a web-application for members of the Gamma Pi chapter of Sigma Chi to keep current on chapter events, built using Angular2 and GitHub Pages.
- Used Twilio to create a SMS server that notifies members via text when alerts are sent out.

Activities

President, Sigma Chi: Serve as liaison between the University of Rochester and my fraternity
Finra Createathon: Competed in a company wide hackathon, created a data aggregation service for employees
Computer Systems: Experience building computers and servers, as well as maintaining web services (FTP, SSH...)

Coursework

Computer Science and Programming: Data Structures, Design of Algorithms, Artificial Intelligence and Logic
Computer Systems: Design of Programming Languages, Computer Organization
Mathematics: Discrete, Linear Algebra and Diff. Eq., Multidimensional Calculus, Financial Engineering, Probability
Other: Introductory Psychology, Human Motivation, Sculpture, Advanced Sculpture, Mechanics

Languages and Tools

Python	C	C++	R	Angular2
OCaml	Zsh	Java	UNIX	SQL
Git	MongoDB	Firebase	JavaScript	Swift