Raayan Pillai

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Education

University of Rochester, School of Engineering & Applied Sciences   Rochester, NY
BS in Computer Science   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 happenings, 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	R	OCaml	Git	Flask	JavaScript
Java	C++	Angular2	Bash	MongoDB	Pandas	Swift