SIDDHARTH PARATKAR

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EDUCATION

Carnegie Mellon University
B.S., Information Systems
Addn. Major, Computer Science
Minor, Computational Finance
(May 2023)

QPA: 3.51

Relevant Coursework:
- Parallel and Sequential Data Structures and Algorithms
- Principles of Imperative Computation
- Application Design and Development

SKILLS

Programming Languages:
Java · Python · JavaScript · C · Ruby · SQL

Technologies/Frameworks:
Linux · Git · MongoDB · Spring · ReactJS

Technical Skills:
Data Structures · Algorithm Design and Analysis · Functional Programming · Computer Systems

Languages:
English · Spanish · Hindi · Marathi

LEADERSHIP

Economic Research Club
Treasurer (2019 - Present)

ScottyLabs
Software Engineer (2020 - Present)

EXPERIENCE

Software Engineering Intern · JPMorgan Chase · Jun 2021 - Aug 2021
- Worked on an internal dashboard in an **Agile** environment by designing widget appearance and working with client to determine optimal use cases for various tasks
- Used **AngularJS** and **Typescript** to implement a static top bar along with minimization and expanding features for each widget
- Currently working on integrating presently fixed data via **MySQL Workbench** to add a refresh function to each widget and will use **Spring Boot** in the future to launch

15-150 Principles of Functional Programming TA · CMU School of CS · Jan 2021 - Aug 2021
- Constructed lesson plans for weekly 90 minute labs to teach topics such as **Higher Order Functions, Continuation Passing Style and Induction**
- Expanded existing **GitHub** repositories by updating homeworks, labs and reference materials
- Held 3 hours minimum of weekly office hours to help students work through challenging problems and conceptual questions

Research Assistant · Human-Computer Interaction Institute · Sept 2020 - Dec 2020
- Utilized **Vue, HTML, CSS and Lumilo detectors** to design in-depth dashboard that showed students' performance on problem sets to teachers
- Created a design that showed teachers student time on problem set, performance across problems and progress on current problem set
- Launched to Pittsburgh-area math teachers in 2021

PROJECTS

StudySmart · TartanHacks 2020 · Feb 2020
- Developed website using **HTML, CSS, and Microsoft Azure** that displays number of people in a room within radius of a Raspberry Pi and packet-sniffs devices using **Kismet**, displayed historical data throughout day for various campus locations
- Top 6 project out of 51 at TartanHacks 2020, Best Beginner Hack award presented by BNY Mellon

Ohio Humanities Website · Code for Good 2020 · Oct 2020
- Employed **NodeJS** to display user reactions to messages related to content produced by Ohio Humanities, implemented pie charts of user data via **ChartsJS** for analysis by nonprofit
- Generated dummy data for testing on the backend using **SQLite**
- Top 2 Project in its division at CFG 2020

AWARDS/CERTIFICATIONS

- *Python and Algorithms Course Certification*, Completed StackSkills course on data structures and algorithms taught in Python
- *HTML5/CSS3 Course Certification*, Completed StackSkills course on building websites with HTML/CSS
- *JavaScript Bootcamp Certification*, Completed StackSkills course on working with JavaScript and related frameworks (i.e. React, Vue)
- *Presidential Volunteering Service Award*, Did over 100 hours of volunteering service in 2018