ROHAN GUPTA

Work Experience

Hewlett-Packard Enterprise Palo Alto, CA
Software Engineering Intern June 2018 to Current
- Developed a Progressive Web App POC for HPE Support Center that increases user traffic by over 40% and solves customer-focused problems at a 20% faster rate; used Vue.js, Node.js, and service workers for caching
- Automated the release note writing process for technical writers and decreased time costs by over 40%
- Built a program that checks the validity of URLs in product manuals; used Python Selenium and other web scraping tools

UPS Louisville, KY
Software Engineering Intern May 2017 to Aug. 2017
- Created a mobile & web app used by UPS tug drivers to automate the process of loading and unloading packages from planes to the delivery trucks; the process was previously done manually and was error prone
- Saved the company enormously through this automated efficient process which brought down the error rate by 65%
- The applications leverage SQL Server & MVC architecture and was deployed to 1000+ users in Louisville, France, and Canada
- Presented to CIO and chosen as top intern project

Teaching Assistant
CS 180, 193, and 251 TA Aug. 2017 to Current
- Lab instructor for CS 180: Object-Oriented Programming - a course that introduces computer science students to the fundamentals of object-oriented programming in Java
- Instructor for CS 251: Data Structures and Algorithms - a course that introduces students to the fundamentals of various data structures and algorithms
- Lab instructor for CS 193: Tools - a course that discusses about text editors, the shell, terminal commands, and git and source control
- CS 180 and 240 tutor through USB Help Room

Projects

Vision, UPS June 2017
- Developed a program that identifies a number from an image using the Microsoft Computer Vision API, determines the location of the image using Google Play Services, and records the information in a database. Used MVC architecture for the front-end and displayed the location of the image on Google Maps
- Won "Deploy It Now" Award, presented to CIO and went into production
- Helps eliminate lost packages by over 20%; a pilot is currently in development

Storagen March 2018
- A storage management iOS app that allows users to find others who are willing to lend storage spaces
- Features include a list of properties and a simple messenger chat
-
- Won Honorable Mention as a Top 10 Project for Demo Day 2018 at Purdue

GitStarter May 2018
- Developed a web app that allows users to invest in Github repositories
- Value of repos depend on commit history
- Balance history and value of repos can be visually seen through graphs

Involvement

CS 180 Development Team
- Make handouts, solutions, and test cases for the course assignments
- Help students with issues related to object-oriented programming

CS Undergraduate Student Board
- An organization that facilitates communication between students, faculty, and company sponsors
- Manage a freshman-oriented crash course on programming tools that teaches students about git, text editors, and the shell
- Host the annual Corporate Partner Mixer and CS Undergrad Town Hall

Objective

Interested in a software engineering internship for the summer of 2019

Contact

- ✉ gupta326@purdue.edu
- 🌐 rohangupta.herokuapp.com
- 📞 (425)614-7003
- 📍 Seattle, WA
- in rogupta98
- ○ RohanGupta24

Education

Purdue University, May 2020 GPA: 3.7/4.0
Bachelors Honors Computer Science, Presidential Scholarship Recipient
Courses: Computer Architecture, Data Structures and Algorithms, Web Application Programming, Systems Programming, iOS Development
Areas of Interest: Machine Learning and Systems Programming

Skills

LANGUAGES - 1 (FAMILIAR) TO 4 (PROFICIENT)
Java (4)
Python (3)
C# (3)
C (3)
R (2)
Javascript (Angular and Node) (4)
Swift (2)
C++ (1)
SQL (3)
XAML (1)
NoSQL (1)

TECHNOLOGY
Android Development
iOS Development
Web Development
Data Science and Statistics
Back End Development
Front End Development