

# ROHAN GUPTA

## Work Experience

### Hewlett-Packard Enterprise Software Engineering Intern

Palo Alto, CA  
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 Software Engineering Intern

Louisville, KY  
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, 240, and 251 TA

Purdue University  
Aug. 2017 to May 2018

- CS 180 Development Team Member - help make homework assignments, projects, and exams for students in CS 180
- Lab Instructor for CS 251: Data Structures & Algorithms - answer questions related to course content during office hours; help with projects and homework assignments
- Lab Instructor for CS 180: Intro to Object Oriented Programming - help instruct labs and grade homework assignments; provide assistance to those that need help with projects
- Lab instructor for CS 193: Tools - instruct a lab of 20 students about git & Github, text editors, terminal commands, shell configuration, and more
- USB Help Room CS 180 and 240 tutor - help students with homework and projects related to CS 180 and 240

## 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 193 Lecturer

Aug. 2018 to Current

- Teach 200 first-year CS students about git & Github, terminal commands, text editors, shell configuration, resume & career planning, and more
- Responsible for making the content of the lectures and labs for students
- Required CS course is run by undergraduate students and teaches important fundamentals of programming

### CS Undergraduate Student Board

March 2017 to Current

- An organization that facilitates communication between students, faculty, and company sponsors
- Host the annual Corporate Partner Mixer and CS Undergrad Town Hall
- Responsible for communicating with recruiters from various companies about student involvement
- Head organizer for the USB Help Room, which provides CS 180, 182, and 240 tutors for students

### Purdue Hackers

Aug. 2016 to Current

- Member of Purdue Hackers - responsible for planning CS events such as socials and company tech talks
- Member of Hello World - responsible for designing and organizing the freshman-only hackathon

## 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

<https://www.linkedin.com/in/rogupta98/>

🔗 RohanGupta24

## Education

Purdue University, May 2020, GPA: 3.7/4.0

Bachelors Honors Computer Science, Presidential Scholarship Recipient

Areas of Interest: Machine Intelligence, Programming Languages, 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

### RELEVANT COURSEWORK

Introduction to Object-Oriented Programming

Programming in C

Discrete Math

Computer Architecture

Data Structures & Algorithms

Systems Programming

iOS Development

Web Development

Analysis of Algorithms

Data Mining & Machine Learning

Relational Database Systems