

ROHAN GUPTA

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Work Experience

Microsoft Redmond, WA
Software Engineering Intern May 2019 to Current

- Developing an IP camera management system that enumerates, pairs, and unpairs registered cameras and subsequently performs video recordings in synchronization
- Developing a UWP (Universal Windows Platform) app in C++ WinRT

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

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%

Teaching Assistant Purdue University
CS 180, 193, 240, and 251 TA 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 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

CS 193 Lecturer Purdue University
Computer Science Department 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

Projects

Vision, UPS Hackathon 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 Mar. 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 Undergraduate Student Board Current

- 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

Hello World Current

- Help organize freshman-only hackathon by planning schedule, social events, company tech talks, and food

Objective

Interested in a software engineering internship in the Fall of 2019

Education

Purdue University, December 2019,
GPA: 3.6/4.0
Bachelors Computer Science,
Presidential Scholarship Recipient
Areas of Interest: Machine
Intelligence, Programming
Languages, and Systems
Programming

Skills

RELEVANT COURSEWORK

Data Structures & Algorithms
Systems Programming
iOS Development
Web Development
Analysis of Algorithms
Data Mining & Machine Learning
Relational Database Systems
Compilers (Spring 2019)
Artificial Intelligence (Spring 2019)

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)

AREAS OF EXPERTISE

Web Development
Front End Development
Back End Development
iOS Development
Android Development
Data Science and Statistics
Object-Oriented Programming