Rohan Gupta

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OBJECTIVE

Interested in a full-time software engineering position starting January 2020.

EDUCATION

Purdue University West Lafayette, IN
B.S. Computer Science, Presidential Scholarship Recipient, GPA: 3.6/4.0 *Aug 2016 - Dec 2019*

Areas of Interest: Machine Intelligence, Programming Languages, Systems Programming
Involvement: Computer Science Undergraduate Student Board, Purdue Hackers, Hello World

EXPERIENCE

Microsoft Redmond, WA
Software Engineering Intern *May 2019 - Aug 2019*

- Developed an IP camera management system that leverages .NET framework and C++ WinRT
- Features include pairing, unpairing, discovering, and registering camera devices and subsequently streaming from them via time synchronization
- Used relevant Camera APIs, Windows OS components, and x86 architecture to develop an end-to-end application that includes a user interface and robust backend

Hewlett Packard Enterprise Palo Alto, CA
Software Engineering Intern *June 2018 - Aug 2018*

- Developed a Progressive Web App (PWA) Proof of Concept for company's support center that allows users to view product documentation and manuals
- Web application increased user traffic by over 40 percent and solved customer-focused issues at 20 percent faster rate
- Technologies leveraged were Vue.js, Node.js, service workers, and other relevant APIs for caching data related to offline usage

United Parcel Service (UPS) Louisville, KY
Software Engineering Intern *May 2017 - Aug 2017*

- Developed a mobile and web application to automate the process of loading and unloading packages from planes to delivery trucks for drivers
- Application decreased the error rate by 65 percent and saved the company approximately six hours of time per day
- Technologies leveraged were React.js, Node.js, Xamarin, Android, Socket and File I/O APIs

Computer Science Teaching Assistant West Lafayette, IN
Object-Oriented Programming, Data Structures & Algorithms, Programming in C *Aug 2017 - May 2018*

- Development Team Member for Object-Oriented Programming: helped make homework assignments, projects, and exams for students enrolled in the class
- Lab Instructor for Data Structures & Algorithms: answered questions related to course content during office hours and helped with projects and homework assignments
- USB Help Room Tutor - helped students with homework and projects related to Object-Oriented Programming and Programming in C

Purdue Lecturer West Lafayette, IN
Intro to CS Tools *Aug 2018 - May 2019*

- Taught 200 first-year CS students about git & source control, terminal commands, text editors, shell configuration, resume & career planning, and more
- Created the content of the lectures and labs for the course
- Spent 10 hours per week developing and teaching the course

PROJECTS

Vision, UPS Hackathon *Jun 2017*

- Developed an application that parses text from images using Microsoft Computer Vision API, determines the location of the image using Google Play Services, and records the appropriate information in a database
- Won “Deploy It Now” Award, presented to CIO and currently in development as a pilot project
- Proven to help eliminate lost packages by over 20 percent; used Intel’s AR glasses to supplement the application for easier use

Storagen *Mar 2018*

- Developed a storage management iOS app that allows users to find others who are willing to lend storage spaces
- Features include a list of properties to interact with, a detailed view of a specific property, and a simple messenger chat
- Won Honorable Mention as a Top 10 project for Demo Day 2018 at Purdue
- Technologies leveraged were XCode for Swift Development, Firebase, Zillow API, and Flutter

GitStarter *May 2018*

- Developed a web application that allows users to invest in open-source projects, specifically Github repositories
- The value of repos depend on commit history and repo activity and can be visually shown via graphs
- Technologies leveraged include Vue.js, Node.js, Github API, Vue-Charts, PostgreSQL, and Heroku

SKILLS

Languages: Java, Python, C, C#, C++, Javascript, Swift, R, SQL, NoSQL, XAML, HTML & CSS

Technologies: .NET, Git, Heroku, Firebase, PostgreSQL, XCode, Visual Studio, IntelliJ, Node.js, React.js, Angular.js, Vue.js, Node.js, OpenCV, NumPy, TensorFlow, Docker, Postman, C++ WinRT, Selenium, Linux, Windows, MacOS, Android, iOS, Bash, Zsh, Vim, VSCode, Atom, Sublime

Coursework: Data Structures & Algorithms, Systems Programming, Web Development, iOS Development, Analysis of Algorithms, Data Mining & Machine Learning, Relational Database Systems, Compilers, Artificial Intelligence, Programming Languages (Fall 2019), Software Engineering I (Fall 2019)