Rohil Sharma

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EDUCATION

Purdue University, West Lafayette, IN *Graduating May 2019*
Bachelor of Science in **Computer Engineering**, Minor in **Management**
GPA: 3.4/4.0 – *Dean's List and Semester Honors*
Skills: C, C#, Python, Java, .NET Framework, Microsoft Azure, SQL, JavaScript (ReactJs)
Relevant Coursework: Data Structures, Microprocessor System Design and Interfacing, Computer Networks, Senior Design

PROFESSIONAL EXPERIENCE

Roofstock, Inc., Oakland, California
Software Engineering Intern *May – August 2018*

- Generated an algorithm for portfolio buyers and sellers to easily download portfolio documents while preventing computer memory overflow issues
- Designed a system to send an Excel attachment to the Sales team weekly containing properties on the market for more than 30 days so they can focus on getting them sold
- Engineered a Broker Portal that allows Buyer/Seller brokers partial access to the database to speed up the transaction process

CAM² Project: Earthquake Damage Visualization Team, Purdue University
Undergraduate Research Assistant *May - December 2017*

- Developed a web application from scratch using Python/Django to help researchers organize and edit thousands of photos regarding earthquake-damaged buildings
- Communicated with researchers frequently to ensure the web app matched all their requirements
- Administered a team of students to parallelize rapid development of the application

ENGINEERING PROJECTS

Senior Design Project: SmartMirror *August - December 2018*

- In a 4-person team, interfaced with a Raspberry Pi to create an interactive mirror to give the user a glimpse of their upcoming day
- Designed systems for voice recognition, log in via facial recognition, and live email
- Implemented calls to weather, news, WolframAlpha, and Wikipedia API to allow the user to effectively communicate with SmartMirror

Bitcoin Miner *August - December 2017*

- In a 4-person team, fashioned an ASIC chip to function as a Bitcoin Miner
- Implemented creative methods, such as a sliding window filter, to achieve a final hash rate of 1.5M hashes/sec

TEACHING EXPERIENCE

ECE 362 Teaching Assistant, Purdue University *January - May 2018*

- Instructed two three-hour lab sections of 25 students each to reinforce students' lecture material
- Demonstrated and clarified core ARM microprocessor concepts to ensure student mastery

LEADERSHIP

President, Purdue Project RISHI *August 2018 – Present*

- Interacted closely with Student Activities and Organizations to plan out events and use profits to support our partner village in Kharoli, India
- Hosted officer and general meetings to delegate tasks for the week
- Distributed tasks amongst Fundraising, Projects, and Outreach teams to ensure effective use of team members