Nisha Goel

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US Citizen

Objective

Seeking internship opportunities in cybersecurity, IT, Computer Engineering, or software engineering for Summer 2021

Education

Worcester Polytechnic Institute - *Electrical & Computer Engineering, Computer Science Minor- Class of 2022*

RELATED COURSES: Digital Circuit Design; Microelectronic Circuits; Continuous-Time Signal & System Analysis; Embedded Computing in Engineering Design; Linear Programming; Sensors, Circuits, and Systems

EXTRACURRICULARS/ LEADERSHIP: South Asian Student Association (Vice President, Treasurer), Women in ECE (Treasurer), Women in CyberSecurity (Vice President), IEEE, SWE, Women in CS

Skills

Languages: Java, C, MATLAB, Python, Verilog, HTML, CSS, Javascript

Equipment: Digital Multimeter, Oscilloscope Function Generator, Soldering Iron

Software: Microsoft Office, Maple, Arduino, Code Composer Studio, NI Multisim, JIRA

Project & Relevant Lab Work

- **New Embedded Systems Platform Research:** Researched existing boards and development kits in the market to enhance student learning in the ECE Embedded Systems class at WPI.
- **Embedded Systems Labs:** Implemented a "Space Invaders" game, "Guitar Hero", a Time & Temperature Display, and a Function Generator using a microcontroller and launchboard with various components (C)
- Built **circuits** with amplifiers, capacitors, resistors (photoresistor, thermistor) using electrical circuit theory and lab equipment
- **HackWPI 2019:** Built VTalk, an interactive interview & presentation simulation using Unity (C++) and the Oculus Rift VR headset

Awards

- Dean's List Fall 2018, 2019

Experience

RSA Security, Dell Technologies, *Software Engineer Intern*
(JUNE 2020 – JULY 2020)

- Working as a Quality Engineer
- Participating in a product release by testing the application, reporting test cases as pass/fail, reporting new issues, and regression testing
- Transitioning into learning development tools and methodologies to fix bugs and add enhancements to the product

Worcester Polytechnic Institute, *Peer Learning Assistant (PLA) for Mathematical Sciences*
(JANUARY 2020 – PRESENT)

- Leading a conference class once a week for multi-variable calculus/ linear algebra
- Tutoring students in any type of math for at least 1 hour/week.
- Working closely with the professor to grade exams and holding personal office hours

TechTogether Boston, *Director of Operations*
(FEBRUARY 2018 – PRESENT)

- Organizing Boston's largest all-female, femme, & non-binary hackathon
- Leading a team of 8 to plan workshops, events, and research a virtual hackathon
- Working closely with the Executive Director to advise and organize logistics
- Responsible for managing the financials for TechTogether 2019, 2020, and 2020 Virtual

Diodeck, *Founding Team Member*
(DECEMBER 2018 – NOVEMBER 2019)

- Educational startup to help users get hands-on experience for building circuits
- Built a curriculum using only the materials available in the circuit kits
- Conducted market research to provide a new vision to the future of the product
- Pitched at various events at WPI to experienced entrepreneurs to market the company and win prize money

Museum of Science Boston, *Tech Studio Intern*
(JUNE 2018 – AUGUST 2018)

- Directly interacted with visitors by leading engineering design activities
- Involved in prototyping for future exhibitions