Ajay Manohar
Automation Engineer

Motivated engineer open for new opportunities

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EDUCATION

Bachelor of Science, Electrical and Computer Engineering
Worcester Polytechnic Institute

08/2016 – 05/2020   *GPA: 3.3/4.0*

WORK EXPERIENCE

Automation Engineer
Saint-Gobain

10/2020 – Present   *Raleigh, NC and Boston, MA*

Saint-Gobain designs, manufactures and distributes materials and solutions which are key ingredients in the well being of each of us and the future of all

Achievements/Tasks

- Collaborate with manufacturing process workers to automate certain parts of their tasks to make their job easier and the overall process more efficient

Contact: Nicholas Deraney – nicholas.deraney@saint-gobain.com

Software Engineering Intern
Drägerwerk

05/2019 – 08/2019   *North Andover, MA*

Dräger is an international manufacture equipment leader in the fields of medical and safety technology

Achievements/Tasks

- Contributed to a diverse team of software and hardware specialists to develop software diagnostic tests using C/C++. These tests where then used for manufacturing processes
- Applied advanced debugging techniques using logic analyzers and oscilloscopes to solve complex hardware and software issues

Contact: Matt MacDonald – matt.madonald@draeger.com

Hardware Engineering Intern
Massachusetts General Hospital/Harvard Science & Technology Martinos Center for Biomedical Imaging

05/2017 – 08/2017   *Boston, MA*

one of the world's premier research centers devoted to development and application of advanced biomedical imaging technologies

Achievements/Tasks

- Designed and manufactured printed circuit boards (PCBs) primarily used in portable MRI machines
- Utilized programs such as EAGLE to layout PCBs and AutoDesk Inventor for creating enclosures for the PCBs
- Gained valuable exposure to circuit design and MRI theory

Contact: Jason Stockmann – jaystock@nmr.mgh.harvard.edu

SKILLS

Skill	Level
Java	●●●○○
C/C++	●●●●○
Solering	●●●●●
Circuit Design	●●●○○
Git	●●●○○
CSS	●●●○○
HTML	●●●●○
Spanish (Language)	●●●●○

PROJECTS

TRINA Head Cam, WPI (08/2019 – 03/2020)

- Worked in a interdisciplinary group to modify a preexisting nursing robot that applied teleportation and virtual reality (VR) to complete basic nursing tasks
- Integrated a motorized camera mount to receive data from the VR headset and move accordingly
- Performed user studies to gain insight into potential flaws in our system

EduLink, Windhoek, Namibia

- Worked with EduVentures Trust, a Namibian non-profit, to help spread environmental education across Namibia
- Created interactive online modules that showed innovative ways to teach environmental education
- Performed IT services for EduVentures Trust which included configuring Smart Boards and desktop computers which were then used to display the online modules

SmartBar, WPI (10/2018 – 12/2018)

- Designed and manufactured a voice activated drink dispenser using Amazon Alexa
- Conducted market research and polled potential customers to create an effective plan to bring the product to the consumer market
- Utilized sensor data and python scripts to pour correct amounts of liquid autonomously

LEADERSHIP

Inter-Fraternity Council (IFC), WPI (01/2019 – 01/2020)
President

Sigma Pi Gamma-Iota Chapter (01/2018 – 01/2019)
President