Ajay Manohar

Seeking a full-time job in electrical and computer engineering

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📍 Worcester, United States

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SKILLS

Java   Python   C

Soldering

Circuit Design

Autodesk Inventor

EAGLE   Git

BitBucket   Jira

CSS   HTML

LANGUAGES

Spanish
Professional Working Proficiency

Malayalam
Limited Working Proficiency

EDUCATION

Bachelor of Science, Electrical and Computer Engineering
Worcester Polytechnic Institute (WPI)

08/2016 – 05/2020   *GPA: 3.3/4.0*

WORK EXPERIENCE

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

- Worked in a diverse team of software and hardware specialists to develop software diagnostic tests for manufacturing processes
- Applied advanced debugging techniques using logic analyzers and oscilloscopes to solve complex hardware and software issues that arose

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 (PCB) primarily used in portable MRI machines and 7 Tesla Siemens MRI machines

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

PERSONAL PROJECTS

TRINA Head Cam, WPI (08/2019 – 03/2020)
- Worked in a group to modify a preexisting nursing robot that applied teleoperation and virtual reality to perform basic nursing tasks
- Performed user studies to gain insight in potential flaws in our system

EduLink, Windhoek, Namibia (08/2018 – 10/2018)
- Created interactive online modules that taught environmental education
- Performed IT services for EduVentures Trust, assisted in configuring Smart Boards and desktop computer to run the online modules

SmartBar, WPI (10/2018 – 12/2018)
- Designed and manufactured a voice activated drink dispenser that utlized Amazon Alexa
- Applied sensor data and Python scripts to pour drink autonomously

LEADERSHIP

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

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