Noble O Koshy

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Summary

B.S. Electrical Engineering major and Business minor with over two years of relevant technical expertise seeking a full-time career in a collaborative work environment

Education

University of Minnesota Minneapolis, MN
B.S. Electrical Engineering and Business *Sep 2013 – Dec 2017*
Key Courses: Power Electronics, Power Systems, Microcontrollers, Microelectronics, Digital Design, Statistics, Finance, Marketing, Accounting, Management

Experience

PaR Systems (Industrial Equipment Systems and Specialty Cranes) Shoreview, MN
Electrical/Controls Co-op Intern *Jan 2016 – Jun 2017*
- Responsibilities included schematic maintenance and electrical control panel layout design
- Consulted the National Electrical Code (NEC) for control panel and cable standards
- Performed technical documentation tasks such as generating Bills of Material and processing Engineering Change Orders for as-built changes made on the shop floor
- Gained familiarity with industrial control products through vendor informational sessions

Institute for Mathematics and its Applications (UMN) Minneapolis, MN
IT Systems Support *Jan 2015 – Dec 2015*
- Gained extensive experience in Unix, Windows, and computer hardware troubleshooting
- Provided technical and logistical support to staff members
- Used Puppet to monitor status of computers department-wide

Skills

Experience with Microsoft Office, Technical Writing, Electrical Testing and Troubleshooting, Project Management, AutoCAD Electrical, Verilog, C, Python, Java

Projects

Capstone Project: Facial Recognition Robot
- Raspberry Pi powered robot that recognizes an owner's face and moves towards it while avoiding obstacles. Face recognition is realized using pre-trained models accessed using the Dlib toolkit. Obstacle avoidance is implemented using ultrasonic sensors. Worked on a team with four other students. [Raspberry Pi / Python / Robotics]

Trigonometric Calculator on FPGA
- Utilized the CORDIC algorithm to compute basic trigonometric functions. Implemented on FPGA hardware. Worked on a team with one other student. [Verilog / FPGA]

Leadership

IEEE University of Minnesota: *Events Committee* *Nov 2014 – Dec 2017*
Indian Student Association: *Officer - Business Relations* *Mar 2016 – May 2017*