ANDREW VICTOR

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Portfolio: https://andrewvictor5-github-io.vercel.app/

WORK EXPERIENCE

Mentor Graphics June 15th, 2020 - September 4th, 2020
Full-Time AMS Intern

- Converted PSpice models of PCB components (capacitors, inductors, etc.) from vendors and manufacturers into Spice models, then created symbols for new models using in-house software Xpedition AMS.
- Tested correctly converted generated models for accuracy in simulation.
- Debugged incorrectly converted models and re-tested them for accuracy in simulation.
- Created Defect Reports for newly detected errors to improve and enhance existing software.
- Completed Quality Assurance testing on various test cases to updates of existing software.
- Collaborated remotely with team members in Cairo, Moscow, Bangalore, and the United States.

Callisto Integration June 17th, 2019 - May 29th, 2020
Full-Time Software Engineering Intern/Part-Time MES Consultant

- Participated as a project team member in analyzing and implementing Manufacturing Execution Systems (MES) solutions for Callisto customers.
- Implemented technical skills and knowledge of manufacturing software and systems to help translate client business needs into solutions.
- Strengthened experience working with Microsoft technologies, SQL Server, and other third party manufacturing applications.
- Communicated with clients, gathered requirements, and made improvements to existing MES implementations.

EDUCATION

Oregon State University *September 2016 - December 2020*
Bachelor's of Science Cumulative GPA: 3.45
Electrical & Computer Engineering Major GPA: 3.34
Minor in Computer Science Minor GPA: 3.41

TECHNICAL STRENGTHS

Programming Languages C, C++, Python, MATLAB, JavaScript, HTML/CSS, SQL, C#, VB
Software & Tools GitHub, Linux OS, Microsoft Office, ReactJS, Visual Studio, Xpedition AMS

EDUCATION-BASED SKILLS

- Analytical techniques for continuous-time and discrete-time signals and systems using various types of transforms. Introductory techniques for discrete and continuous random probability concepts.
- Circuit analysis and its applications to diodes, MOSFETs, and BJT's, small and large signal circuit characteristics, magnitude and frequency response, and linear circuit design.
- Communication, technical writing, public speaking, and documenting project progress and artifacts in a team setting.
- Fundamental concepts of computer networks including internet protocols, transport layer, routing algorithms, network layer, control planes, data link layer, and security.
- Linux operating system, fundamentals of processes and interprocess communication, sockets and client/server systems, file systems, memory organization. Data structures and complexity analysis.