

Arjun Nair

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EDUCATION

North Carolina State University

Raleigh, NC

Bachelor of Science in Computer Engineering, Bachelor of Science in Electrical Engineering

Aug. 2019 – May 2023

Relevant Coursework

- Computer Systems Programming • Data Structures and OOP for Computer Engineers • Introduction to Embedded Systems • Microelectronics • Fundamentals of Logic Design • Analytical Foundations of Electrical and Computer Engineering • Circuits and Systems • Introduction to Signals • Discrete Mathematics for Computer Scientists

WORK EXPERIENCE

Electrical Engineering Intern

May 2021 – Aug 2021

Edwards Vacuum (Atlas Copco Group)

Chelmsford, MA

- Built and tested prototypes in collaboration with NPI projects
- Designed and printed circuit board schematics to be used in conjunction with numerous product lines
- Built test fixtures to perform Reliability Demonstration Testing on electrical sub-assemblies
- Performed Design Verification Testing (DVT) on various components and products using a variety of lab equipment

PROJECTS

Practical Game Design | *Freshman Engineering Design Day (3rd Place)*

Nov 2019

- * Designed a game body structure using SolidWorks
- * Ported design to 3D printing machine to create a prototype and complete the product assembly
- * Conducted user testing of the novel game to verify application, structural integrity, and feedback

Phantom Power Supply | *High School Music Department*

Sep 2018

- * Designed and built a Phantom Power Supply to power cardioid microphones
- * Developed an integrated circuit, populated PCB with discrete components, and tested the product for functionality

TECHNICAL SKILLS

Languages: C/C++, Python, Verilog, VHDL, Assembly, MATLAB, HTML

Circuit Design: Altium Designer, PSpice, Logic Design, Soldering, Verification Testing, SolidWorks

Misc: Microsoft Word, Microsoft Excel, Adobe Photoshop