Arjun S. Nair

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***Enterprising Junior in Computer and Electrical Engineering with hands-on skills in Circuit Design & Construction, Programming, and Web Development. Experience in leading teams on various school events and projects.***

**Objective**

Seeking a co-op position in Computer and Electrical Engineering beginning Summer / Fall 2021

**Education**

**Bachelor of Science in Electrical and Computer Engineering** Expected May 2023

North Carolina State University ▪ Raleigh, NC

**Relevant Courses**

Computer Systems Programming Introduction to Embedded Systems Discrete Mathematics

Fundamentals of Logic Design Data Structures and OOP Microelectronics

Analytical Foundation of ECE Circuits and Systems Introduction to Signals

**Work Experience**

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| --- | --- |
| **Electrical Engineer Intern** |  |
| Edwards Vacuum (Atlas Copco Group), Chelmsford, MA | May 2021 – August 2021 |

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

**Projects**

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| --- | --- |
| **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

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| --- | --- |
| **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**

C/C++ MATLAB Python Assembly Language

Altium Designer Circuit Design Soldering Microsoft Excel

Microsoft Word SolidWorks HTML5 Adobe Photoshop

**Activities**

* **Student Body Vice-President**, APL Global August 2017 – March 2018
* **Coding Club President**, APL Global August 2018 – March 2019
* **Model UN Head of IT**, APL Global July 2018 & July 2019
* **NC State eSports (Varsity Team)**, North Carolina State University September 2019 – Present
* **Rock Climbing Club**, North Carolina State University August 2021 – Present