Nathan Rizza

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GitHub: https://github.com/NathanRizza

Skills

Engineering Tools: Solid-Works, ModelSim, Quartus, MATLAB, VS 2019
Programming/Markup Languages: C, C++, VHDL, Python, Java, JavaScript, PHP,HTML, Latex, Shell scripting
Database Services: Amazon Web Services, MySQL
Familiar Computer Environments: Windows, GNU/Linux, Mac

Education

Undergraduate: Saint Vincent College, Fall 2017-Spring 2021
> Major: Mechanical Engineering
> Minors: Computer Science, Math
> GPA: 3.7

Graduate: University of Florida, Starting Fall 2021
> Department: Electrical and Computer Engineering
> Track: Computer Architecture

Work Experience

Electrical Engineer - SurfPlasma, 2021
> Worked with and tested plasma reactors. Designed a controller to regulate power to the device based on the reading of different sensors.

Special Needs Assistant - Pathways, July 2017 - 2021
> Assist individuals with special needs to ensure their health safety and welfare. Responsible for documenting daily progress notes on individual performance, maintain clearances, and training requirements.

Research and Projects

Soft Materials Tester 2020-2021
> Designed and built an Arduino based fully operational soft materials tensile tester for the Saint Vincent College Engineering Lab.

Decision Making Through Risk Minimization Algorithm 2020-2021
> Wrote literature reviews, created 3D printed parts in CAD software, and aided in circuitry design. Produced an Arduino controlled electronic car which could change velocity depending on external variables.

Cryptocurrency Development Assistance 2017-2018
> Helped the development of a cryptocurrency by testing software on various operating systems and writing bug and performance reports.