

Nathan Rizza

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Website: nathanrizza.com - GitHub: <https://github.com/NathanRizza>

Skills

Engineering Tools: Solid-works, MATLAB, Visual Studio, Arduino IDE

Programming/Markup Languages: C, C++, 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

Depth: Breath:

Work Experience

Feeder Dispatch Associate - UPS, Winters 2016-2018

Utilized custom UPS software to change and verify the routes of contract carriers. Trained individuals on how to use various UPS software.

Special Needs Assistant - Pathways, July 2017 - Present

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 a 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.