Nathan Rizza

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GitHub: github.com/NathanRizza Website: nathanrizza.com

Skills

Engineering Tools: ModelSim, Quartus, Solid-Works, 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

Graduate: University of Florida, Fall 2021 - Ongoing
    Degree: MS Computer Engineering
    GPA:
Undergraduate: Saint Vincent College, Fall 2017 - Spring 2021
    Major: Mechanical Engineering
    Minors: Computer Science, Math
    GPA: 3.7

Work Experience

Graduate Assistant – University of Florida, January 2022 – Ongoing
    Performed research on computer hardware security methods for the
    Electrical and Computer Engineering department under Dr. Farimah
    Farahmandi.
Circuit Designer - SurfPlasma, September 2021 – December 2021
    Designed a controller to regulate power to the portable plasma
    reactors based on the readings of different sensors for consumer
    and corporate use cases.

Research and Projects

Soft Materials Tester Fall 2020 - Spring 2021
    Designed and built an Arduino micro-controller 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.