

Daniel Fiumara

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EDUCATION

Rensselaer Polytechnic Institute, Troy NY - Class of 2024

Bachelors of Science - Computer Systems Engineering & Computer Science, GPA: 3.06

Pertinent Coursework: Computer Science 1 (Python), Data Structures (C++), Computer Components (FPGA and Digital Logic), Embedded Control(Fall 21), Discrete Math(Fall 21), Differential Equations, Multivariable Calculus, Graphic Design (Fall 21)

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java Script, HTML, CSS, FPGA (VHDL)

Software and OS: Git, Linux, VSCode, Vim, Atom, proficient with 3D modeling and Adobe Suite

Hardware: Raspberry Pi, Arduino, TI MSP432P401R, Digilent Basys 3,

PROJECTS

RoleBot: Utilized discord.js to develop a role management system for a server of 60+ members. Effectively mitigated moderator abuse.

Golf Membership Tracker: Developed a CLI program to track various golf metrics including membership balance and average score per round.

Personal Site: Made use of Express.js, HTML, and CSS to create and host a personal website from my home network.

Pentago: Utilized pygame to recreate the board game pentago, including a matrix rotation algorithm to support board rotation mechanics.

Path Traversing Car: Made use of Texas Instrument's RSLK to develop a C program that when ran guides a small car along a prescribed path that included multiple turns of differing radii and changed car speed based on input.

Documentary: Directed, filmed, and edited a short documentary about growth mindset and the specifics of efficient practice for rapid improvement.

T-Shirt Printing: Used Adobe Photoshop and Illustrator to design and ultimately print unique T-Shirts.

EXPERIENCE

Tops Friendly Markets

June 2019 - Present

Cashiered and stocked shelves. Ensured a pleasant experience for every customer. Decreased customer service load by taking initiative and handling issues directly.

AWARDS

Excellence in Technology, Design, and Engineering

Highest Cumulative Average in Computer Applications Course

Outstanding Sportsmanship in the sport of Bowling

Repeating NYSPHSAA Scholar Athlete

Recognized by the United States Bowling Congress for exceptional level of play

COMMUNITY SERVICE

Saint Ann's Church, Link Crew Leader, Snow Removal, Tutoring

EXTRACURRICULAR INVOLVEMENT

Digital Music Composition, 3D Printing, Youth Engineering Initiative, Varsity Bowling, Saxophone, Lacrosse