Daniel Sarria

github.com/danvs6 DanielSarria.com linkedin.com/in/DanielSarria danvs1807@gmail.com

Junior at the University of Virginia majoring in Computer Engineering in the School of Engineering and Applied Sciences. Focused on computer hardware and design. Interests include coding and designing/building circuits with an overall curiosity of new technologies.

Education

University of Virginia May 2025
Bachelor of Science in Computer Engineering *Current GPA: 3.6/4.0*
Stamford High School (International Baccalaureate & Advanced Placement Classes) June 2021
GPA: 4.0/4.0

Relevant Coursework

Courses: Electrical and Computer Engineering Fundamentals I, II, III (in progress); Digital Logic Design (in progress), Software Development Essentials (in progress), Data Structures and Algorithms, Computer Systems and Organization, Intro to Cybersecurity (in progress), Calculus, Probability (in progress)
Awards: Dean's List (University of Virginia: Fall and Spring Semester)

Skills

Languages: C, Java (Main Language), Python, HTML/CSS (Self-taught), LaTeX
Tools: Git/GitHub, Powershell, VS Code, IntelliJ IDEA, Eclipse, x86_64 AT&T Assembly, VIM, LLDB Debugger, VHDL (in progress)
Circuit & PCB Design: National Instruments Multisim, Analog Discovery Waveforms

Projects

Voltage Boost Converter | *NI Multisim, Waveforms* December 2021
- Collaborated with a team to design a voltage boost converter
- Analyzed specific hardware, such as potentiometers, inductors, and capacitors, in order to construct the boost converter
- Designed a PCB that needed to meet various requirements
- Soldered hardware onto PCB

Active Filter Network for Audio Signal Processing | *Java, NI Multisim, Waveforms* December 2022
- Collaborated with a team to design a PCB that separates the high and low frequencies to process audio signals in real time
- Designed high pass and low pass filters using variations of operational amplifier circuits and analyzing specific electronics hardware, such as MOSFETS and diodes
- Project Presentation: Project Video

Electrocardiogram (EKG)|*In Progress* Present

Experience

Target | *Target Security Specialist* June 2022-Present

Greeting and providing service to guests, watching surveillance cameras, applying merch protection on high theft merchandise, and de-escalating situations

Research previous and recurring incidents utilizing Asset Protection Database (TruCase)

Documenting known theft reports and productive merchandise recoveries

Work closely with Asset Protection Specialist to conduct apprehensions on subjects conducting dishonest activity

Achievements: TSS of the Month (July 2023) - Identified over $8000 of known theft and merchandise recoveries within the New England district