

HOANG NGUYEN

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EDUCATION

Kennesaw State University - Honor Student

Bachelor of Science in Computer Engineering - Minor in Mathematics (4.0 GPA)

Marietta, GA

Expected graduation: 2028

OBJECTIVE

Seeking an opportunity to leverage my passion for hardware programming, electrical and computer engineering. Hard-working student in Computer Engineering with a minor in Mathematics. Currently working as a co-op for the low voltage team at Jordan and Skala Engineers company. Eager to apply my strong foundation in physics, electrical and computer skills together and to gain practical experience in a dynamic and growth-oriented workplace.

PROJECTS

- Pi Zero with Sense HAT Projects: Developed a Pi Clock and Pi Thermometer using Python with Sense HAT to display real-time temperature, humidity, and pressure data. Gained insights into CPU memory processing and how data is retrieved from memory to update the display in real-time.
- Created custom traffic light logic on a circuit board with my own digital logic design and timer logic for various conditions for pedestrian, train coming, by utilizing a dedicated logic design program.
- TI Basic and eZ80 Assembly programs:
 - Developed custom programs for the TI-84+ CE calculator using TI Basic and eZ80 Assembly.
 - Gained hands-on experience in low-level programming, optimizing memory usage, and coding for embedded systems
 - Developed graphing and equation-solving applications that run efficiently on limited-resource hardware.
- Networking and Server Projects:
 - Set up a Pi-hole ad blocker, PiFi router, and a private eBook server using Docker on a Mac Mini.
 - Enhanced network security and privacy by blocking ads with Pi-hole and configuring a custom PiFi router.
 - Gained practical experience in networking, server management, and Docker containerization.

TECHNICAL SKILLS

Languages: C/C++, Python, TI Basic, x86 Assembly, Verilog, VHDL, R, latex.

Software: AutoCAD, Revit, LTSPICE, MATLAB, MS Office, Linux, Git, VS Code, Visual Studio, Adobe Creative Suit.

Hardware: Digital Multimeter, Oscilloscope, Function Generator.

Miscellaneous: Digital Logic, Circuit Analysis, Soldering, Wiring.

Soft-skills: Problem-solving, Critical Thinking, Adaptability, Time management, Teamwork.

EXPERIENCE

Low Voltage Designer Co-op

08/2025 - Present

Jordan & Skala Engineers

Norcross, GA

- Collaborating with the Low Voltage team to learn legal codes, design concepts, and enhance AutoCAD and Revit skills.
- Working closely with a mentor, gaining hands-on experience through observation, instruction, and site visits.
- Reviewing shop drawing submittals, and performing calculations.

SI leader - Student Assistant

05/2025 - Present

Kennesaw State University

Kennesaw, GA

- Facilitating peer-led study sessions for Calculus and Physics, enhancing student comprehension and performance.
- Mentoring students to promote independent learning and critical thinking skills, fostering a supportive
- Collaborating with faculty to align study sessions with course objectives, ensuring relevance and effectiveness.