

Luke Lopez

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Engineering

- GPA: 3.12

College Station, TX

Expected Graduation: Dec 2025

ABOUT ME

Throughout my scholarly journey, I am perpetually driven to seek out challenges that I cannot handle, to force myself into surpassing my current abilities, fostering an environment that requires personal growth and the continual refinement of my skills.

Current Workload: 18 Engineering CH, IT work 27 hrs/week, 6 hr/week Rowing Club workouts and commitments

EXPERIENCE

CPU Designing

Texas A&M University

College Station, TX

- Studied and applied CPU creation and optimization techniques in the "Computer Architecture" and "Microprocessor Design" classes
- Implemented a CPU on a FPGA board with Verilog
- Became fluent in Assembly code

Electrical Experience

Texas A&M University

College Station, TX

- Became fluent in Verilog and VHDL on FPGA boards
- Created Drivers for hardware devices
- Optimized Code and circuits
- Studied Circuit Theory, performing circuit analysis and developing proficiency in analog circuits

Coding Background

Texas A&M University

College Station, TX

- Collaborated in Developing the front-end of Non-Profit Peer-Tutor App/Website
- Led Programming projects for websites, robots, drivers, and CPUs
- Coding Languages: Verilog, VHDL, C/C++, Python, Assembly, HTML, CSS, JavaScript, LaTeX

WORK EXPERIENCE

IT Department

Texas A&M University

Jul 2023 – Present

College Station, TX

- Provided troubleshooting support for university staff and students
- Enhanced customer service skills by dealing with impatient teachers and ensuring prompt issue resolution

Mathematics Grader

Texas A&M University

Aug 2022 – May 2023

College Station, TX

- Graded assignments for Calculus 1, 2, and 3 courses, providing feedback to students to enhance their understanding of mathematical concepts

SKILLS

Programming Languages: C/C++, Verilog, VHDL, Assembly, Python, LaTeX, JavaScript, HTML/CSS

Hardware Proficiency: FPGA Development, Microcontroller Programming, Circuit Design, Signal Processing

Software & Tools: Git, CAD Software (AutoCAD, SolidWorks), 3D Printers, CNC Machines, Laser

Cutters/Engravers, Soldering Tools

Soft Skills: Tutoring, Troubleshooting, Customer Service, Communication, Team Collaboration, Problem Solving, Time Management, Adaptability