



# Luke Lopez

## Computer Engineer



### My Contact

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### Hard Skills

- Fluent in C++, Java, LaTeX, and Python
- AutoCAD in Inventor, Revit, Fusion, and AutoDesk
- Technical Writing
- Microsoft office

### Soft Skills

- Leadership
- Communication
- Time Management
- Observation
- Problem Solving
- Creativity

### Education

- Texas A&M University  
*Degree at work : Computer Engineering*  
Expected Graduation date: May 2026  
**GPA: 3.28**

### Work Experience

- IT department of A&M : Jul 23 -present
  - Troubleshooting
  - Customer Service
    - Dealing with impatient Teachers.
- Mathematics Grader : Aug 22-May 23
  - Calculus 1, 2, 3
- Life Guard :Summer 2020, 2021
- Cashier : Jul 20-April 21

### Expertise

Leadership

Communication  
skills

Collaboration

Innovation

Problem Solving

Documentation

Computer  
Science

Electrical  
Engineering

Problem Solving

Circuit Design

### About Me

Throughout my scholarly journey, I am perpetually driven to seek out challenges that transcend my current abilities, forcing an environment requiring personal growth and the continual refinement of my skills.

Current Workload:

17 Engineering CH, 27hrs/week IT Job, 6 hr/week Rowing workouts.

### Experience

- ▶ CPU Designing:
  - In the "Computer Architecture" and "Microprocessors design" classes, I dive into the creation and optimization of CPUs.
- ▶ Coding Background
  - Most Experienced: C/C++ , Verilog, Assembly
    - Developed optimized C++ code and algorithms orientated around speed and space.
    - Verilog/Assembly allows me to optimize the speed of my computer at a foundational level instead of just at higher languages.
  - Other: Python, LaTeX.
  - Discrete structure computing
    - Created Algorithm design
    - Developed Logical skills
- ▶ Electrical Experience
  - Circuit theory - Ecen 214
    - Performed Circuit analysis
    - Developed proficiency in Analog circuits
- ▶ AI4ALL
  - Created AI designs for processing large data sets
- ▶ Workshop Experience
  - 4 years of experience using workshop tools.
    - Created projects with 3D printers, CNC, Laser Cutter/Engraver, Soddering, Table saw, and more.
- ▶ Robotics
  - Competed in Vex for 4 years.
  - Achievements: Worlds, Nationals, Excellence awards.
- ▶ Mathematics
  - Differential Equations -MATH 308
  - Applications in Mathematics - MATH 311
    - Orientated on applications and optimizations of systems.