

ALEC FOX

WEBSITE: <https://alec42fox.github.io/>

Looking for Internship / Entry-level Engineering positions (Computer, Software, Electrical)

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SUMMARY

- **Electrical and Computer Engineering student with proven track record of prior projects and customer service roles show experience, communication, and problem-solving skills.**
 - **Eager to apply technical skills and learn automation technologies and industrial engineering practices.**
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STRENGTHS

- Technical skills:
 - Hardware: Microcontrollers (Pi), AutoCAD, Fusion360, Superslicer, lasercutter
 - VEX robotics clubs throughout high school and college
 - Software: C++, Typescript, MATLAB, NodeJS, ThreeJS, Python, VS Code, Git.
 - Data: Sheets/Excel, SQL
 - Finance: Bloomberg BMC
 - Personal Traits:
 - Meticulous, analytical, organized, articulate, sociable
 - ECET Electrical and Computer Engineering Tech major, est. 2026
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RELEVANT EXPERIENCE

- **Lexer, Parser, and Interpreter:** Developed from scratch in C++
- **UI/UX & HMI Projects:** Personal software projects using NodeJS and ThreeJS
- **Machining Projects:** Designed and fabricated a custom music box from sheet metal in 1 month, using AutoCAD and slicer for design, a 3d printer, and laser cutting for custom parts.
- **Vex Robotics:** Contributed to multiple VEX robotics teams throughout high school and college.

ADDITIONAL EXPERIENCE

BS ECET at Albert Dorman Honors NJIT, NJ – est. 2026

Customer Service:

- Amazon, June 2021 to August 2021
 - Rotating night shift schedule responding to emergency tasks.
 - Chipotle Mexican Grill, July 2022 to December 2022
 - Demonstrated and improved communication skills.
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US Citizen with full work authorization.

Interested in Software development and FinTech. BMC certified.