Aidan Lee-Calamera

📍 New York, NY 10013

✉ contact@aidan.calamera.com

📞 718.687.2206

🌐 aidan.calamera.com

RESUME OBJECTIVE

Mechatronics student with a strong passion and creativity for combining hardware and software engineering disciplines to create new and exciting things.

PROFESSIONAL SKILLS

Hardware and Software Development
- Used schematics or created entirely new designs to address technical implementation requirements.
- Utilized microcontrollers or SOC based solutions with custom software and/or hardware to meet requirements.
- Coordinated PCB manufacturing of schematics utilizing contract manufacturers (e.g. JLCPCB).
- An example project is a complete full scale working K9 (Doctor Who) robot, remote controllable.

3D Modeling, 3D Printing, Fabrication
- Used Fusion 360 and similar tools to design complex mechanical parts.
- Coordinated parts manufacturing of designs utilizing contract manufacturers (e.g. Send Cut Send, Xometry).
- Example projects include an RC car drivetrain as well as a Nuclear Fusor.

Maker
- Utilized wood, metal, and plastics in various projects.
- Adept at using hand and power tools of various types.
- Example projects include a Predator costume with working electronics and an electric guitar with custom body and electronics.

EDUCATION

Bachelor of Science, Mechatronics
East Coast Polytechnic Institute
Expected July 2026

Associate of Science, Mechatronics
East Coast Polytechnic Institute
July 2025

Electrical & Computer Engineering
New York Institute Of Technology
2022

Relevant coursework:
Engineering Math and Software Applications, Electronic Systems Applications, Semiconductor Devices, Physics, Robotics & Smart Manufacturing, Materials Science.

TECHNICAL SKILLS

OS: Windows, Linux, Mac
Software: Google Suite, Adobe Creative Suite, Microsoft Teams
Programming: Python, C++
Hardware: Arduino, Raspberry Pi, Electronics, 3D Printing / Printers, Soldering
CAD: Solidworks, Fusion 360, Altium, KiCAD, Eagle

EXPERIENCE

Principal Inventor/Creator
Aidan's Lab, 2020-present

3D printing, CAD, mechatronics, woodworking, and metalworking.

➜ My Nuclear Fusor project was selected to exhibit at the *Open Sauce* conference in 2024

See website for other example projects.

IT Assistant
Robert Louis Stevenson, 2018-2019

Assist the Director of school IT on tasks including; network security, fixing school chromebooks (resulting in thousands of dollars in savings), printers, etc…

Instructor
Robert Louis Stevenson, 2018-2019

Arts Manifest instructor for a hands-on smelting class.