

Ethan Thomas

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EDUCATION

Columbia University

B.S. in Computer Science GPA: 4.157/4.0

New York, NY

Sep. 2022 –Oct. 2024

EXPERIENCE

Florida Atlantic University

Engineering Research Intern

Boca Raton, FL

Jun. 2023 –Aug. 2023

- Awarded “Most Outstanding Presentation” for E-Scooter Mobility Sensing Research Project.
- Developed a Raspberry-Pi based data collection system for electric scooters with IMU, GPS, and Speed sensing.
- Utilized machine learning to classify and predict road riding surface types based on collected data.

Software Engineering Intern

Puberry

Feb 2023 - June 2023

New York, NY

- Developed a front-end application using the cross-platform Flutter framework.
- Worked with Google Firebase storage and auth for data retrieval and storage.

SKILLS

Programming Languages

Python, C, C++, SQL, Javascript, Typescript, Java, OCaml.

Technical Skills

Git, Linux, Docker, Bash, LaTeX, HTML, CSS, Raspberry Pi, Virtual Machines.

Libraries & Frameworks

React, NextJS, Flutter, PyTorch, Tensorflow, Selenium, Flask, Godot.

PROJECTS

ADI DevFest Hackathon Website. Led DevFest 2024 website development (2024.devfestcu.com) using React, NextJS, and Javascript. Contributed to the 2023 DevFest website (2023.devfestcu.com).

OpenAir-VPN. Created a custom Linux VPN front-end for AirVPN provided configuration files, supporting OpenVPN, Wireguard, and a killswitch. Relies on Linux, Bash, and iptables firewall rules.

Auto-YouTuber. Created a tool that creates daily YouTube videos by scraping top posts from Reddit, compiling them into a full-length video, and uploading to YouTube autonomously. Uses Bash, Python, FFmpeg, and Docker.