






Ethan Montgomery Thomas

 [ethanmt](#)  [ethmth](#)

@ ethan@smaze.net  www.ethanmt.com  +1 (863) 325 5360  Winter Haven, FL

Summary

Columbia University Computer Science student with research experience, graduating in October of 2024. Extensive experience with Linux, Python development, shell scripting, and React web development.

Education

Columbia University

Bachelor of Science (B.S.) Degree in Computer Science

Graduated October 16, 2024

4.157 GPA

Experience

Florida Atlantic University Institute for Sensing & Embedded Network Systems

NSF REU Engineering Research Intern

June 2023 - Aug 2023

Boca Raton, FL

- Awarded "Most Outstanding Presentation" for E-Scooter Mobility Sensing Research Project.
- Developed a Raspberry-Pi 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.

Puberry

Software Engineering Intern

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

Sep 2022 - Feb 2024

 <https://2024.devfestcu.com/>

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

OpenAir-VPN

 <https://github.com/ethmth/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

 <https://github.com/ethmth/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.