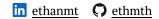
# **Ethan Montgomery Thomas**

@ ethan@smaze.net ♂ www.ethanmt.com ७ +1 (863) 325 5360 ♥ Winter Haven, FL



## **Summary**

Columbia University Computer Science new graduate with research experience. Extensive experience with Linux, Python development, shell scripting, and React web development.

#### **Education**

## **Columbia University**

Graduated October 16, 2024

Bachelor of Computer Science (B.S.)

4.157 GPA

- Coursework Artificial Intelligence, Data Structures, Algorithms, Databases, Networks, Operating Systems, Security, Natural Language Processing
- Application Development Initiative (ADI) Organizer of DevFest (annual hackathon), Leader of ADI House
- Tau Beta Pi (The Engineering National Honor Society) Member of the New York Alpha Chapter
- Columbia Space Initiative (CSI) Member of 2022-2023 NASA Micro-g NExT Competition team

## **Experience**

## Florida Atlantic University

June 2023 - Aug 2023

NSF REU Engineering Research Intern

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 Inc. Feb 2023 - June 2023

Software Engineering Intern

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, C#, .NET, OCaml.

**Technical Skills** - Git, Linux, Docker, Bash, LaTeX, HTML, CSS, Raspberry Pi, Virtual Machines.

Libraries & Frameworks - React, NextJS, Flutter, PyTorch, Tensorflow, Selenium, Flask, Godot.

**Soft Skills** - Problem Solving, Communication, Prototyping.

#### **Projects**

#### **ADI DevFest Hackathon Website**

2024.devfestcu.com

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

Web Programming, Front-End, Back-End, Full-Stack, Cloud

### 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.

Linux, System Programming, Shell Scripting