



Ethan Montgomery Thomas

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

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.		
Profiles	 ethanmt	 ethmth	
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 fau.edu/isense/reu/reu-2023/reu-2023-artificial-intelligence-for-smart-cities <ul style="list-style-type: none">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 puberry.org <ul style="list-style-type: none">Developed a front-end application using the cross-platform Flutter framework.Worked with Google Firebase storage and auth for data retrieval and storage.		
		June 2023 - Aug 2023 Boca Raton, FL	
		Feb 2023 - June 2023 New York, NY	
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 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.		
		Sep 2022 - Feb 2024	