# ETHAN M THOMAS

+1(863) 325-5360 • ethan@smaze.net

[www.ethanmt.com](http://www.ethanmt.com) • [linkedin.com/in/ethanmt](http://linkedin.com/in/ethanmt) • [github.com/ethmth](http://github.com/ethmth)

## OBJECTIVE

Student passionate for Linux, automation using Bash and Python, and Front-end Development. Seeking a Summer 2023 Software Engineering internship.

## EDUCATION

**Bachelor of Computer Science (B.S.)**, Columbia University (SEAS)  Class of 2025
Relevant Coursework: Data Structures, Advanced Programming, Linear Algebra, Discrete Math  GPA: 4.0
Member of Columbia Space Initiative - 2023 NASA Micro-g NExT Competition Team Member
Member of the Application Development Initiative - DevFest (Hackathon) Organizing Committee

## SKILLS

| | |
|---|---|
| **Programming Languages** | Java, C++, C, Python, Javascript, Typescript, R |
| **Libraries & Frameworks** | Selenium, Flask API, Beautiful Soup, React, NextJS, RPlumber |
| **Technical Skills** | Linux, Docker, Bash, Latex, HTML, CSS, Git, CAD (Solidworks) |
| **Soft Skills** | Communication, Leadership, Organization |

## EXPERIENCE

**Front-End Software Engineer (Club)**  Sep 2021 - May 2022
Georgetown University Baseball Analytics  *Washington, DC*

- Developed proof-of-concept web UI that allowed coaches and players to visualize catcher framing data using ReactJS and R.  [gu-baseball.herokuapp.com/catcher_framing](http://gu-baseball.herokuapp.com/catcher_framing) (Dummy data; API loading times may vary).
- Worked with R Data Analysts to convert their projects into APIs using the R Plumber Library.

**Web Developer/Web Designer (Volunteer)**  July 2019 - May 2021
Winter Haven Optimist Club  *Winter Haven, FL*

- Developed and designed a new website for an annual Christmas 5k/10k fundraiser using HTML/CSS.
- Achieved 49% growth in registered runners the year my site went live.

## PROJECTS

All projects available on my GitHub. These are personal projects, but I've done C, C++, and Java projects in class.

**Seatgeek Scanner.** Built a tool to continuously search for tickets that fall below a target price within a date range for any given show on Seatgeek. Integrates with IFTTT webhooks. Uses Python, Selenium, and Docker.

**Auto-YouTuber.** Built a tool that creates and uploads daily YouTube videos by scraping top posts from reddit and compiling them into a compilation. Uses Bash, Python, ffmpeg, and Docker.

**ThingM Blink1 API.** Built a simple Rest API for the ThingM Blink1 Device that allows for network control using Python, Flask, and Docker.

## EXTRA-CURRICULAR ACTIVITIES

- Use Computer Aided Design Software (Solidworks) to design and 3D print parts for personal and class projects.
- Create music using DAW Software (Ardour).

## LEADERSHIP

- President of Technology Student Association (TSA) Chapter in high school, a club of over 50 students.
- Leader of my Art of Engineering Common Project group, which is currently creating a "Smart" Hungry-Hungry Hippos game that uses a microcontroller to keep count of score, and shoot marbles back into the field of play.