ETHAN M THOMAS

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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 (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.

Added Interests Section? Like Berkley Fang's Guide from ADI Quantitative Finance Workshop