ETHAN M THOMAS

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OBJECTIVE

Student who is passionate about 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 (CSI) - 2023 NASA Micro-g NExT Competition Team Member
Member of the Application Development Initiative (ADI) - 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), Virtual Machines
Soft Skills	Patience, Curiosity, Organization

EXPERIENCE

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

- Developed web UI that allowed coaches and players to visualize catcher framing data using ReactJS and R.
- 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 personal projects available on GitHub.

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.

C Web Server (Class Project)**.** Built a Dynamic HTTP/1.0 Server in C that serves static files and entries from a database.

EXTRA-CURRICULAR ACTIVITIES

- Volunteer tutoring in math through Mu Alpha Theta, Schoolhouse.World, and Hatch Tutors.
- Spend time in the Columbia Engineering Makerspace 3D printing models and lazer cutting parts designed using Solidworks for various personal projects.
- Interests: Minecraft Mod Development, Musical Theater, Baseball, Reviewing Films, Tinkering with Linux.

LEADERSHIP

- President of Technology Student Association (TSA) Chapter in high school, a club of over 50 students.
- Leader of Art of Engineering Common Project group, which created a "Smart" Hungry-Hungry Hippos game.
  The game uses an Arduino Microcontroller, beam-break sensors, and push-pull servos.