

# Ethan Saddler

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## EDUCATION

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### Georgia Institute of Technology

*BS in Computer Science – CS GPA - 4.0 / Overall GPA - 3.87*

Atlanta, GA

*Expected 06/2025*

## SKILLS

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**Languages:** Python, Java, JavaScript, C, C++, HTML/CSS/SCSS, MATLAB

**Libraries/Frameworks:** React, Bootstrap, Tailwind, jQuery, NumPy

**Technologies:** GIT/GitHub, VS Code, WordPress, LATEX, CAD, Excel, Linux (Ubuntu and Mint), ROS, Google Cloud, Firebase, FTP

## PROJECTS

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### Gameboy Advance Snake Game | C, Docker

04/2023

- Created a videogame for gameboy advance in C based on the popular game *Snake*.
- Utilized low level hardware programming in C, using and creating device drivers, similar to those on computer operating systems.
- Worked on graphics optimization, collision physics/interactions, as well as general app development.

### Medical Prescription Planner | HTML/CSS, SCSS, JS, Python, Firebase

09/2022

- Worked with a team in a 40 hour hackathon (hackGT) to develop a web app that doctors can login to and create prescription reminders for their patient that show up on the patient's phone calendar.
- Created a modern UI/UX and frontend with SCSS, Tailwind CSS, React, Bootstrap and jquery.
- Coordinated a backend was hosted on Firebase and connection to Google Calendar API that was written with python: the script took information that doctors submitted through the website and created it into an event that would be sent as a request to Google Cloud.

### Automated Discord Client | Python, GIT and JSON

05/2021 - Present

- Developed a Discord self-bot that is able to parse, process and interact through the Discord API
- Parsed messages sent by a popular Discord Bot, Mudae, and based on values would asynchronously react to/send messages or store information such as timings, events and user preferences.
- Made it public on Reddit and Discord: recieved over 1k downloads on Mediafire.

## EXPERIENCE

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### Research Intern

May 2021 - Sep 2021

*University of Pennsylvania*

*Philadelphia, PA*

- P.I. Chamith Rajapakse, Ph.D. in the Laboratory for Structural, Physiologic, and Functional Imaging. (LSPFI)
- Assisted the development of machine learning models for for the detection of the mandible in patient CAT/CT Scans and subsequent modelling.
- Contributed training data for the model through identifying the mandible in slices of scans.

### Server

May 2019 - March 2021

*Granite Farms*

*Media, PA*

- Highly motivated and dedicated server with over 2 years of experience in the food service industry.
- Possess excellent communication and interpersonal skills, as well as a strong attention to detail. Proven track record of delivering exceptional customer service.
- Committed to providing compassionate care to residents of all ages and abilities.