

# Matthew DeGuzman

he/him/his

(786)-614-1426 | [matthew.deguzman0613@gmail.com](mailto:matthew.deguzman0613@gmail.com) | [matthewdeguzman.info](http://matthewdeguzman.info) | [github](https://github.com) | [linkedin](https://www.linkedin.com/in/matthewdeguzman)

## EDUCATION

---

### University of Florida

*Bachelor of Science in Computer Science*

August 2021 – December 2024

*Gainesville, Florida*

- GPA: 3.92
- Minors: Math
- Relevant Courses: Graph Theory, Software Engineering, Computer Organization, Data Structures and Algorithms
- Honors and Awards: Dean's List

## EXPERIENCE

---

### Microsoft

*Explorer Intern (SWE + PM)*

May 2022 – August 2022

*Seattle, WA*

- Spearheaded a project with the AIMS Data Science team and rotated between the software engineering and product manager role
- Found and implemented an application of GPT-3 to help disabled and neurodivergent users navigate computer interfaces
- Made data processing and output analysis components with Azure ML and Python to create scalable machine learning pipelines that finetune GPT-3

## PROJECTS

---

### GatorGuessr

January 2023 – May 2023

- Created a website that mimics the Geoguessr game functionality in the city of Gainesville
- Used Azure to create and manage a MySQL database and worked with Go to create a REST API

### Content Generator

September 2022 – February 2023

- Created a program that automates the video generation process and produces entertaining videos ready to be uploaded to social media platforms
- Worked with the Reddit API, Google Text to Speech service, Mutagen, and MoviePy to fetch content, create audio, and render videos

### Tic-Tac-Toe AI

December 2021 – January 2022

- Created an unbeatable tic-tac-toe bot and learned about AI by implementing the minimax algorithm
- Gained experience with JavaScript, HTML, and CSS

## RESEARCH

---

### Technical Research Project

January 2023 – May 2023

- Worked with Dr. Amanpreet Kapoor to create open educational resources that will be added to the Data Structures and Algorithms course at the University of Florida and distributed internationally
- Created technical interview questions and produced studio recordings to outline and review my solutions

## COMMUNITY & LEADERSHIP

---

### Event Organizer

November 2021 – December 2021

*First Year Leadership Program*

*Gainesville, FL*

- Organized a winter banquet to hold various performances and celebrate the accomplishments of the members
- Helped write and perform an emcee script in an audience of over 100 people
- Organized activities such as karaoke and trivia

## TECHNICAL SKILLS

---

**Languages:** Python, Java, C++, JavaScript, HTML, CSS, Go

**Libraries/Frameworks:** React, Next, Node, Tailwind

**General:** Linux, Git