# Matthew DeGuzman

he/him/his

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## EDUCATION

**University of Florida** — August 2021 – December 2024

*Bachelor of Science in Computer Science* — *Gainesville, Florida*

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

## EXPERIENCE

**Microsoft** — May 2022 – August 2022

*Explorer Intern (SWE + PM)* — *Seattle, WA*

- Worked 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 with Angular that mimics Geoguessr in Gainesville
- Learned Angular and Material UI to implement the front-end of the website and used Azure mySQL and Go to create an API to store user data for the back-end

**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 detailed studio recordings to outline my solutions and relay my thought process

## 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, Angular, Next, Node, Tailwind, Material UI
**General**: Linux, Git