

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

- 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 with Angular that mimics the Geoguessr game in the city of 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