

EDUCATION

University of Florida

Herbert Wertheim College of Engineering

Gainesville, FL

Aug 2021 – May 2025

- Bachelor of Science in Computer Science / Minor in Mathematics
- GPA: 3.94 / 4.00
- *Honors:* Dean's List, Presidential Honor Roll, Honors Program, AI Scholarship
- *Coursework:* Data Structures and Algorithms, Machine Learning, Operating Systems, Databases, Probability Theory and Stochastic Processes, Linear Algebra, Calculus

WORK EXPERIENCE

UnitedHealth Group

Software Engineer

Eden Prairie, MN

Jun 2023 – Aug 2023

- Engineered and supported an Identity and Access Management (IAM) product catering to over 400,000 employees
- Streamlined access review process by 50% by building backend and database infrastructure to support new AI feature
- Built and tested features for .NET web APIs and console apps using C#, TypeScript, SQL Server, and Postman
- Communicated ideas & suggestions in scrum ceremonies (sprint planning, daily stand-ups, sprint review)

UF Smart Medical Informatics Learning & Evaluation Lab

Machine Learning Researcher

Gainesville, FL

Jan 2023 – Present

- Founded a project to improve deep learning models' accuracy in Parkinson's prediction with generative AI
- Achieved over 70% accuracy in Parkinson's disease prediction from retinal scans with machine learning classifiers in PyTorch
- Secured \$2,000 in scholarship funding for the lab to pursue further deep learning research

UF Computational Reasoning Group

Data Science Researcher

Gainesville, FL

Jan 2022 – Nov 2022

- Optimized learning in a programming course by investigating student characteristics and behaviors
- Discovered a correlation between students' procrastination & their performance in the course ($p = 0.0035$) by developing a statistical model in Python using Pandas, NumPy, and Matplotlib
- [Published results](#) in Koli Calling 2022, an international computing education conference

Intertape Polymer Group

IT Security Analyst

Sarasota, FL

May 2022 – Aug 2022

- Ensured implementation of cybersecurity standards by overseeing 100+ employees' cyber safety practices and authentication
- Transitioned the company to password-less authentication by setting up multi-factor authentication and password keepers
- Improved planning for cybersecurity threats by documenting IT network infrastructure with MS Visio

PROJECTS

Train of Four

Apr 2023

- Developed a computer vision app to aid in dosing of anesthesia in pre-procedure patients by analyzing muscle reactivity
- Logged patients' hand movements using OpenCV in Python, and statistically analyzed movement data using NumPy

PropertyProbe

Apr 2023

- Developed a webapp that allows users to search for pre-foreclosure properties in Florida by ZIP code
- Built the front end and enabled map functionality using Angular, TypeScript, and JavaScript

Lightweight Optimized Integrated Search (LOIS)

Dec 2022

- Created a Family Guy search engine that allows users to search for episodes based on character(s) and dialogue
- Implemented dynamic programming search algorithms in Python and connected to JavaScript front end using a Flask API

LEADERSHIP & INVOLVEMENT

UF Indian Students Association – External Vice President

Jun 2022 – Present

Other: Association for Computing Machinery, UF Dream Team Engineering, UF Engineering Leadership Circle

SKILLS

Programming Languages: Python, C++, C#, Java, JavaScript, TypeScript, HTML/CSS, SQL

Frameworks & Tools: Git, PyTorch, Flask, .NET, React, Angular, SQL Server, Azure DevOps, Agile Scrum Methodology, CUDA