

Anthony Khoury

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering
Bachelor of Science in Computer Engineering | Minor in Finance
Coursework: Data Structures, OS, Machine Learning, Databases 1&2, Bioinformatic Algo, UX Design, Microprocessors

Graduation: May 2022
GPA: 3.45/4.00

PROFESSIONAL EXPERIENCE

VMware, *Software Engineering & Data Analysis Intern*

May 2022 – Aug 2022

- Automated 4 Tableau dashboards by connecting a virtual machine, SQL server, MySQL database, and 15 complex queries to visualize data on our virtual cloud's life cycle in real-time
- Optimized python script by 67% using multiprocessing and threads to report logs and errors on failed virtual machines

University of Florida, *Teaching Assistant - Software Engineering*

Jan 2022 – Present

- Instructed 24 advanced students weekly to increase their foundational skills in Python, React, Mongo DB, and Java
- Collaborated with a Professor and 4 TAs to create lesson plans, projects, and exams covering topics including source control, testing, security, agile development, scrum, and ethics

VMware, *Cloud Development & Project Management Intern*

May 2021 – Aug 2021

- Developed an interactive web app using Angular and TypeScript to visualize product test flakiness over time
- Implemented backend REST APIs using Node.js, Express.js, and Swagger to seamlessly integrate the frontend
- Optimized MongoDB queries reducing time spent loading the dashboard from 20 to 2 seconds
- Managed the progress of 72 Jira stories through an agile workflow and holistic documentation to reduce test flakiness

GE Appliances, *Software Development Intern*

Jan 2021 – Apr 2021

- Saved GE Appliances \$60,000 annually by collaborating with financial analysts to create a web-scraping python script that performs weekly competitive analysis generating accurate shipping and pricing data
- Automated the I9 validation process using a data manipulation python library saving the HR department 1.5 hours daily

LEADERSHIP & ACHIEVEMENTS

2-Time Intern Hackathon Winner, *VMware*

Aug 2021 & Aug 2022

- Developed a Microsoft Outlook plugin using C# to improve workplace relationships in a hybrid environment by synchronizing when team members will be in the office
- Directed 3 interns through the ideation, development, and presentation of a Figma prototype aimed at centralizing the company's onboarding and offboarding process

Professional Development Chair, *Theta Tau Engineering Org, University of Florida*

May 2021 – Dec 2021

- Administered resume reviews, mock interviews, and networking sessions to prepare 81 members for job opportunities
- Organized a career fair hosting 9 engineering companies in a virtual and in-person environment

Startup Hackathon Winner, *University of Florida*

May 2019 – July 2019

- Led a team of 5 to create a company from scratch addressing key gaps in the cleaning service industry through pricing algorithms, customer analysis, and financial projections
- Placed 1st out of 15 teams, winning a \$6000 grant covering legal fees, forming an LLC, and writing a business plan

PROJECTS

Machine Learning, *Handwritten Number Recognition Calculator*

Jan 2022 – Apr 2022

- Developed an ML python model using edge histogram descriptors and k-nearest neighbor, receiving an accuracy of 87%
- Collaborated with a teammate to write a report, collect data, fine-tune parameters, and experiment with other ML models

Freelance Web Development, *Food Justice League (foodjusticeleague.com)*

June 2021 – May 2022

- Designed a website using WordPress to promote social justice at UF by collaborating weekly with the President of the org
- Created holistic documentation allowing the exec board to independently update the site with events and accomplishments

SKILLS

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

Tools/Frameworks: Git, React, Angular, MongoDB, Express.js, PyTorch, Scikit-Learn, Pandas, Bootstrap, SolidWorks

Topics: Web/App Dev, DB Management, Robotic Process Automation, Agile Dev, Web Scraping, Computer-Aided Design