

Jacob Kanfer

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EDUCATION

B.S. in Computer Engineering

Dec 2024

University of Florida – H.W. College of Engineering

Certificates

Engineering Innovation, Engineering Leadership, Engineering Project Management, AWS Certified Cloud Practitioner

LEADERSHIP AND INVOLVEMENT

Chief of Staff to the Student Body President

July 2023 – May 2024

UF Student Government (Gainesville, FL)

- Direct the strategic allocation of the \$23 million annual Student Government budget
- Lead operational and strategic planning for the 15 executive agencies
- Built and maintained an administrative framework to streamline decision-making and increase communication

WORK EXPERIENCE

Management Consulting Data Science Intern

May 2024 – Aug 2024

World Wide Technology (Gainesville, FL)

- Developed a clustering model framework to use with existing machine learning models, improving accuracy.
- Designed Snowflake tables and procedures to automate data processing workflows.
- Created dynamic PowerBI dashboards to present data insights, transforming complex data into actionable insights.

Store Owner / Store Manager / Lead Technician

Jan 2022 – Present

Campus Phone Repairs (Gainesville, FL)

- Hired, trained, and managed a team of 4 repair technicians fostering their development and performance
- Set monthly strategic objectives for areas of improvement and worked with the team to ensure success
- Developed my repair skills to include: iPhones, iPads, Macs, Android Phones & Tablets, and Windows computer systems

PERSONAL PROJECTS

AHSR (Autonomous Hospital Stretcher Robot) Senior Design Project Dev

Jan 2023 – Dec 2024

- Integrated RGB-Depth camera controls with OpenCV, using a pretrained lower-body detection model for safety override.
- Implemented frontier-based exploration and SLAM (Simultaneous Localization and Mapping) with a custom Lidar mapping script for autonomous navigation in simulation and hardware.
- Built waypoint navigation and logging tools enabling dynamic waypoint creation, trip replay, and easier bug-finding.
- Developed a modular PyQt5 user interface integrating with ROS2 topics wirelessly for robot control and monitoring.

Property Probe – Team Leader & Frontend Team Member

June 2023

- Ideated and initiated PropertyProbe, a specialized tool for analyzing pre-foreclosure properties in a Zillow-like format
- Utilized Angular to architect and develop the application's frontend, while integrating Cypress for unit testing
- Crafted a Python web scraping component to aggregate all real estate data to power the application's core functionality

UCF Decision Checker – Creator

Nov 2019

- Developed a web automation tool using JavaScript's Puppeteer to automatically log in to the UCF portal every 12 hours, check for updated admissions decisions, and text the results to the user
- Implemented Tesseract.js and OpenCV to apply Optical Character Recognition, capturing and interpreting on screen text

ADDITIONAL INFORMATION

Technical Skills: Python, VHDL, C/C++, Matlab, JavaScript, Java Angular, HTML/CSS, Snowflake, PowerBI, SQL