Jacob Kanfer

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EDUCATION

B.S. in Computer Engineering **Dec 2024**
University of Florida – H.W. College of Engineering
Certificates
AWS Certified Cloud Practitioner, Engineering Innovation, Engineering Leadership, Engineering Project Management

WORK EXPERIENCE

Engineering Solutions Analyst **Aug 2025 – Present**
Deloitte (Arlington, VA)
- Design and implement AI-powered solutions and intelligent agents for public sector clients
- Develop enterprise automation solutions that enhance operational efficiency and drive innovation
- Collaborate with cross-functional teams to deliver cutting-edge engineering solutions

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 – Aug 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

SOFTWARE SKILLS

Languages: Python, JavaScript, Rust, Java, C++, C, Swift, VHDL, Matlab, R, Go, Assembly, SQL, HTML/CSS, AppleScript
Frameworks & Tools: React, Firebase, Puppeteer, XGBoost, TensorFlow, ROS (Robot Operating System), OpenCV
Platforms & Services: AWS, Azure, Snowflake, Databricks, ServiceNow, PowerBI