

HERNAN QUINDE

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EDUCATION:

Syracuse University, College of Engineering and Computer Science
Computer Science and Applied Mathematics
3.8 | Kessler Scholar

Anticipated May 2027

SKILLS:

- **Technical:** Python | Java | C | OOP | Git | Microsoft Office
- **Soft:** Communication, Teamwork, Problem-Solving, Adaptability, Time Management, and Critical Thinking.
- **Languages:** English, and Spanish.

WORK EXPERIENCE:

Technology Intern - Experience Haus

London, United Kingdom

May 2025 - July 2025

- Collaborated daily with the CEO and Operations Director to refine core features, enhance user experience, and ensure the system aligned with business needs
- Gained deep insight into the company's organizational structure, management strategies, and operational decision-making by actively participating in business meetings and collaborating on internal workflow design.
- Developed a broader understanding of how digital tools can reflect and optimize a company's operational infrastructure and business model.
- Developed an internal Customer Relationship Management (CRM) system using Bubble.io to streamline media cycle workflows and manage marketing content tasks
- Created dynamic dashboards with conditional logic and reusable components to support SEO Analysts, Content Writers, and Approvers

Research Assistant - Center for Environmental Systems Engineering (CESE)

Syracuse, New York

May 2025 - Present

- Developing a Python-based automation system to streamline Dissolved Organic Carbon (DOC) data processing by replacing manual Excel workflows with scalable scripts.
- Working on utilizing Pandas for data cleaning and validation, including detecting inconsistencies, handling missing values, and applying calibration corrections.
- Automating report generation using OpenPyXL to produce structured, formatted Excel reports that improve efficiency and reproducibility.
- Analyzing Excel output from lab instruments to inform system design and ensure alignment with existing workflows, with plans to adapt the tool for broader equipment compatibility.

LEADERSHIP EXPERIENCE:

Treasurer - Society of Hispanic Professional Engineers

Syracuse, New York

April 2024 - Present

- Prepared and monitored budgets, reviewed financial records, and delivered financial reports to support accurate planning for events such as national conventions and banquets; managed over \$18,000 in organizational funds
- Collaborated with co-treasurer to lead financial planning and analysis, while delegating responsibilities to maintain efficient operations
- Oversaw all financial transactions, including collecting donations from external companies and campus organizations, managing resource allocation, and maintaining the organization's financial health through detail oriented management and compliance.

PROJECTS:

EcoPixel - Group Hackathon / Front End

- Developed the front end of a web application using Python, HTML, and CSS to support real-time image classification output, working alongside teammates who built the waste classification model using Keras
- Designed an engaging, responsive interface with video backgrounds and custom fonts, ensuring a consistent user experience across devices.

Speech Recognition

- Built a Python speech recognition system using 'SpeechRecognition' and Google API. Enabled real-time audio capture, ambient noise adjustment, and dynamic command recognition for text file input.
- Computing fundamentals: variables, types, scope, objects, classes, functions, parameter passing, input/output, conditionals, and iteration. Defensive programming techniques, including exceptions. Program testing and debugging.

Facial Recognition

- Developed a Python-based facial recognition system with OpenCV and DeepFace, enabling real-time video capture and face verification.
- Implemented threading to optimize performance, checking face matches every 30 frames with robust error handling.
- Configured and displayed real-time match status on the video feed, providing immediate visual feedback using OpenCV.

RELEVANT COURSEWORK:

CIS351

- Abstract data structures, algorithm analysis, arrays, lists, trees, binary search trees, priority queues, hashing, graphs.

IST344

- Information synthesis and the presentation of information. Organizing information for presentation, text, and graphics. Presentation skills, training and teaching methods.