

YHAEL LOPEZ

(516) 913-0939 | yhael.e.lopez@gmail.com | [linkedin.com/in/yhael-lopez-37905b202/](https://www.linkedin.com/in/yhael-lopez-37905b202/) | <https://github.com/kael27w>

EDUCATION

University of Virginia

Bachelor of Arts in Computer Science and Commerce, GPA: 3.82

Charlottesville, VA

Expected May 2027

Awards/Honors: Hispanic Scholarship Fund Scholar

Relevant Coursework: Data Structures 1 & 2, Java, Python, Computer Systems and Organization, Software Development

TECHNICAL SKILLS

Programming Languages: Python, Java, React, JavaScript, HTML, CSS, SQL

Software/Framework: RStudio, IntelliJ, Visual Studio, Git, React, Next.js, Flask, OpenCV, pytesseract OCR, PostgreSQL

Certifications: AWS AI Practitioner Certification

PROJECTS

Full-Stack Calendar Project

- Engineered a web application that processes and digitizes nursing schedules using OpenCV and pytesseract OCR, reducing manual scheduling time by 2-3 hours per week at a dialysis center
- Implemented a RESTful API with Flask and integrated OpenAI's GPT-4 for intelligent text parsing, achieving 100% accuracy in schedule data extraction and processing
- Developed a responsive React frontend with custom calendar components, enabling real-time schedule visualization and updates
- Integrated AWS S3 for secure document storage and PostgreSQL for efficient data management, ensuring HIPAA compliance and scalability
- Utilized test-driven development with Jest and Python unit test to maintain code quality and reliability

Currency Exchange Calculator

- Created an interactive tool using Python to perform real-time currency conversions, incorporating API integration and user input validation.

EXPERIENCE

University of Virginia

Spanish VLP Data Collector

Charlottesville, VA

August 2024 – Present

- Conducted Spanish language assessments with 50+ students using specialized data collection software such as Qualtrics and VA Connects
- Adhered rigorous data entry protocols, ensuring 100% accuracy in score uploads and documentation

Doxber

Supply Handler

Remote

June 2024 – October 2024

- Managed incoming deliveries using CRM tools, achieving 100% accuracy in package processing and documentation
- Implemented protocols for damaged package processing, reducing processing time by 25%

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow

Career Prep Fellow

Bethesda, Maryland

January 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders such as Deloitte, LinkedIn, and Target

Society of Hispanic Professional Engineers (SHPE)

Event Coordinator

Charlottesville, VA

December 2023 – April 2024

- Developed and implemented marketing strategies to reach out to 30+ Virginia high schools, successfully attracting 50+ junior and senior students to the event
- Coordinated presentations on UVA's engineering curriculum, financial aid options, and campus life, providing a comprehensive overview for prospective students

Cultural Organization for Latin Americans

Professional Development Chair

Charlottesville, VA

September 2024 – Present

- Networked with over 10 businesses and organizations to create events fostering Latino professionals
- Organized and facilitated 2 workshops and seminars focused on career development