Koriel Lopez

Software Engineer

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Education

University of Texas Rio Grande Valley

B.S. Computer Science   May 2025   GPA: 3.64

Languages: Python, JavaScript, Ruby, C++, HTML, CSS

Coursework: Algorithms & Data Structures, Internship in Computer Science, Mathematical Foundation of CS, Obj Oriented Prog in Python, Prog in UNIX/Linux Env, Software Engineering I & II, Organization of Program Lang, Web Development, TopCS: UX/UI Programming, Automata Formal Lang & Comp, Database Design & Implement, Computer Networks, Intro to Data Science

Work Experience

University of Texas Rio Grande Valley

Position: Teaching Assistant   January 2025 – May 2025
- Explained concepts taught in class to apply on work
- Graded work based on given criteria with student's comprehension
- Communicated effectively with students and professor

Pacific Northwest National Laboratory

Position: Software Developer Intern   August 2023 – November 2024
- Worked with React TS, Figma, & Docker to implement a new DataHub website
- Learned OpenAPI Specification to outline a Python API for the new DataHub website
- Used Cypress for web testing dev sites

University of Texas Rio Grande Valley

Position: Work Study   June 2022 – August 2023
- Used One45 API documentation to make calls & generate reports
- Designed and built a Python tkinter GUI for the report generator

Certifications

Google	**Foundations: Data, Data, Everywhere**	Jan 2024
Microsoft Python	**Python Programming Fundamentals**	May 2025

Projects

IEEE-ESB Website	[Student Org]	https://ieee-esb.org
The Brew	[Hackathon]	https://github.com/lopezkor000/the-brew
One45-Reporter	[Work Project]	https://github.com/lopezkor000/One45-Reporter
Huffman Codes	[Coursework]	https://github.com/lopezkor000/project-4-huffman-codes