Kevin Diaz

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EDUCATION

California Polytechnic State University, San Luis Obispo — San Luis Obispo, CA
Bachelor of Science in Computer Science — *Expected graduation – May 2026*
Relevant Courses: Software Engineering, Databases, Computer Security, Systems Programming
GPA: 4.0

EXPERIENCE

Instructional Student Assistant — Sep. 2023 – Present
Cal Poly San Luis Obispo — *San Luis Obispo, CA*

- Facilitated 1.5-hour workshops twice a week, reinforcing complex concepts in calculus and physics for groups of 10+ students, improving their understanding and performance.
- Collaborated closely with professors to align workshop content with lecture material, ensuring consistency and clarity in student learning outcomes.
- Monitored student progress through regular assessments and provided constructive feedback to help students improve their problem-solving skills and conceptual understanding.
- Developed tailored problem sets and interactive activities to engage students, promoting active learning and critical thinking in difficult subject areas.

PROJECTS

Resume Website | *HTML, CSS, JavaScript, Cloudflare* — July 2024 – Present

- Designed and developed a personal resume website using HTML and CSS, showcasing experience, skills, and projects in a clean and accessible format.
- Implemented responsive design techniques to ensure the website is mobile-friendly and functions well across various devices and screen sizes.
- Incorporated animations and effects using CSS, including a dynamic and engaging background element.
- Enhanced accessibility by adhering to web standards and implementing semantic HTML, ensuring an inclusive and navigable experience for users with diverse needs.

Tile Slider | *Python, Pygame, Tkinter, OOP, Git* — July 2024 – Present

- Developed an interactive tile-sliding puzzle game using python and the Pygame library, incorporated event handling and puzzle grid generation
- Implemented object-oriented principles, enabling easy management of game states, customization, and simplifying future development
- Tackled challenges involving game logic and user exprience
- Integrated Tkinter GUI elements for selecting files to allow users to customize their puzzle

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (mySQL), HTML, CSS, JavaScript
Frameworks: React, Node.js
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse