

Alexander Torres Vivaldo (he/him)

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Bachelor of Science in Information Systems with minor in Human-Computer Interaction, May 2027, GPA: 3.40/4.00

RELEVANT COURSES

- Principles of Imperative Computation, Designing Human-Centered Software, Information Systems Milieux, Fundamentals of Computer Science, Database Design & Development, Internet & Web Technologies

SKILLS

- *Programming*: Python, JavaScript, Java, HTML/CSS, C#, C, SQL, MYSQL
- *Technical*: Linux, Git, GitHub, Unity, Figma
- *Languages*: English, Spanish

PROJECTS/RESEARCH

Microsoft Paint, Python Painting Program Project

May 2024

- Developed a canvas painting program using Python, completing the project efficiently within a two-week timeframe
- Maintained neat and well-organized code, which facilitated overcoming bugging issues and streamlined the debugging process
- Applied top-down design and object-oriented programming to significantly improve program's efficiency

Say It with Sweets Website, Website Project

March 2024 - April 2024

- Designed and developed a new website for a small business in Pittsburgh, according to the client's needs, significantly improving the user experience upon their previous site according to user testing results
- Built website from scratch utilizing HTML, CSS, JavaScript, and jQuery to create an interactive and user-friendly interface
- Utilized CSS responsive design techniques to ensure website adapts to various screen sizes, enhancing accessibility and user experience across devices

Ferretti Yachts Sales Analysis, MySQL Database Project

March 2024 - April 2024

- Designed and built a MySQL database using a comprehensive dataset on the sales of luxury yachts at Ferretti Yachts in the USA, optimizing data storage and retrieval
- Conducted in-depth data analysis by executing complex SQL queries, extracting valuable insights from the sales data

WORK EXPERIENCE

Resident Advisor, Carnegie Mellon University, Pittsburgh, PA

June 2024 - August 2024

- Provided leadership and support for designated residents, ensuring a positive and inclusive living environment for Pre-College program participants
- Mentored and served as role model, offering guidance and support to help navigate social challenges

LEADERSHIP/ORGANIZATIONS

Member, Society of Hispanic Professional Engineers

August 2023 - Present

- Contributed to community-building among Hispanic STEM students and participated in professional development workshops such as resume-building, networking, and interviews

Participant, Emerging Leaders

January 2024 - April 2024

- Partnered with local community service to enhance refugee youth support by proposing CMU tutoring and mentorship programs
- Met with partners to pitch different ideas and created timelines in the interest of refugee youth

ACTIVITIES/AWARDS

- **Elaine and Erroll Davis Jr. E 65 Scholar** **Recipient**
Scholarship

August 2023