Pavel Ivan Navarro Castro

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EDUCATION

<u>Bachelor of Engineering in Computer Science</u>   **Expected Graduation: May 2027**

The University of Texas at El Paso (UTEP)   **Overall GPA: 3.67/4.00**

Dean's Honors List | Spring 2024

Relevant Courses:

- Data Structures (Fall 2024)
- Digital Systems Design (Fall 2024)
- Elementary Data Structures and Algorithms (Spring 2024)
- Discrete Mathematics (Spring 2024)
- Introduction to Computer Science (Fall 2023)
- Calculus I (Fall 2023)

EXPERIENCE

Undergraduate Assistant I – Enterprise Computing and Information Resources   **06/2024 – Present**

University of Texas, El Paso

- Managed Personnel and Student data while administering cost centers and supporting project management to optimize resource use.
- Resolved technical issues related to software installations and permissions, ensuring efficient departmental operations.
- Utilized PeopleSoft to improve data management and streamline workflow organization.

Coding by Design Bootcamp Participant – Microsoft El Paso Innovation Hub – August 2024

El Paso, Texas

- Completed an intensive 2-week Agile Sprint bootcamp focused on full-stack development (**React.js, Node.js, Express.js, and MongoDB**).
- Redesigned the Blackboard interface, adding a search bar and improving UX/UI.
- Collaborated using Agile methodologies, learning Product Management, UX/UI Design, and Development techniques common in the tech industry.
- Practiced daily stand-ups, pair programming, Git version control, and ChatGPT prompting.

EXTRA CURRICULAR

Google Developer Student Club| University of Texas, El Paso, Member   **03/2024-Present**
- Participating in weekly workshops and hands-on coding exercises focused on Google technologies.

Coding Interview Club| University of Texas, El Paso, Member   **02/2024-Present**
- Engaging in weekly meetings to hone technical interview skills through collaborative coding challenges.

Kelly Center For Hunger Relief, El Paso Volunteer   **01/2024-Present**
- Leading and mentoring new volunteers in community service initiatives.

AWARDS

Bloomberg Tech Lab on Campus| University of Texas, El Paso - April 2024

- **One of 40 students selected** to collaborate with Bloomberg engineers in a small group setting to build an application using **RabbitMQ** and **Docker.**
- Developed a deeper understand of core **Python/CS** concepts (**Classes, Inheritance, OOP**), as well as financial domain knowledge (**Tickers, Industry Sectors**).

PERSONAL PROJECTS

- **Blackboard Interface Redesign (Full Stack, 2024):** Redesigned the Blackboard platform adding a search bar and implementing **CRUD operations**.
- **Message Queue System (RabbitMQ, 2024):** Utilized **Python** to design and implement a robust message queue system using **RabbitMQ**, enhancing real-time data processing and communication between producer and consumer components.
- **Custom Photo Filters (Java, 2023):** Developed multiple photo filters, with a custom 8-bit style filter **ranking top 3** in the class.
- **Wordle Game (Java, 2023):** Recreated the Wordle game with **full functionality**.
- **UtepTube (Java, 2023):** Developed a video management system to **queue**, **delete**, and **cite** video links.

SKILLS

Proficient in **Java**; Familiar with **TypeScript, JavaScript, React, Node.js, HTML, TailwindCSS, Git, Agile methodologies, and APIs.**

Understanding of **computer hardware**, electrical circuits, and robotic fundamentals; **Bilingual** in English and Spanish.