MIKE PANUELOS

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EDUCATION

University of Texas Rio Grande Valley   **Expected Graduation Date: December 2022**
Bachelor of Science in Computer Science   *3.89 GPA*

University of Texas Rio Grande Valley's Mathematics and Science Academy   **Class of 2021**
Ranked #9 in my class

EXPERIENCE

Visa
Software Test Engineer Intern   *May 2022 - August 2022*

- Test Execution Analyzer
  - Saved developers 10 hours per day, 200 hours per month, and 2,400 hours per year by automating the test failure analysis process with a Spring Boot, Maven dependency Java Application consisting of 5 controllers that expose their services as RESTFUL APIs.
  - Actively participated, engaged, and listened during scrum and personal meetings to assimilate and adapt to the agile scrum methodology and learn new technologies.
  - Assured quality, security, and functionality of the application through functional and end-to-end testing with Swagger UI, POSTMAN, and Karate and logged with SLF4J.
  - Engaged and interacted with two senior performance engineers to learn basic testing techniques and performance bottleneck analysis and tuning skills.
  - Slashed and improved the application's analysis response time by 250% by finding the logic's bottleneck through logged timestamps and formulating a multi-threaded solution.
  - Scripted Vugen scripts to generate random API requests to load the database with data for testing and demonstration purposes.
  - Directed and established strong collaboration and high morale within my intern team through personal incorporation and implementation of Visa's Leadership Principles.
- VGAR Test Automation Solution
  - Optimized and refactored English-to-Java translated testcases's logic to ensure correctness and compliance with Visa's Global Accessibility Requirements.
  - Reduced VGAR testing time for teams per page anywhere from days/hours to minutes/seconds.

UTRGV's Office for Sustainability
Web Developer   *February 2021 - May 2022*

- Showcased and highlighted the efforts and contributions of UTRGV's students, faculties, and staff, and the Rio Grande Valley towards sustainability through a new, engaging, and interactive website with over 20 new pages.
- Integrated Flexbox, CSS Grid, and JavaScript and studied design patterns to create new designs that produced an increase of 150% in unique page-views and 203% in average session duration in comparison to the old website.
- Conducted research to help produce content that lead to an improvement of multiple page's rankings on search engine result pages.
- Assured accessibility compliance through the use of WebAim to test for color contrast and the Google extension, Site Improver Accessibility Checker and went beyond by converting static images with text into accessible and responsive cards.
- Earned a certificate in Web Analytics to produce analytical reports and gain new knowledge to improve the new website's development.
- Lead the web development team and collaborated cross-functionally with the graphic design, video production, and content writing teams.
- Developed strong relationships with full-time university developers that provided assistance and guidance with the website's development.

PROJECTS

JeoPlit   **Full-Stack Web Application**

- A web application that scrapes a quizlet link to create a Jeopardy style game to provide students a fun, competitive, and game-style studying approach. Developed with Node.js, Express.js, HTML, CSS, and a Mongo Database and end to end tested with Cypress to overall improve my knowledge on full-stack development and testing.

Catholic Daily Reflections Case Study   **UI/UX Project**

- Performed an UX tear down for the Catholic Daily Reflections website and created new design requirements to amplify the user experience for returning and new users.

SKILLS

- **Programming Languages:** C++, JAVA, HTML, CSS, JavaScript, Python
- **Technologies:** SQL, Bootstrap, React, Tailwind, SpringBoot, Node.js, Express.js
- **Soft Skills:** Time and Task Management, Leadership, Communication, Adaptability, Empathy, Emotional Intelligence, Teamwork
- **Software:** Jira, Figma, Microsoft Word, PowerPoint, Excel, Adobe Photoshop, Apple iMovie
- **Spoken Languages:** English, Tagalog, Spanish