

# Benjamin Truong

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## EXPERIENCE

### Paycom | Irving, TX

#### Software Developer III

Feb 2024 - Present

- Developed and maintained scalable web applications using **PHP**, **JavaScript**, and **jQuery**, optimizing performance and enhancing user experience across high-traffic modules.
- Applied **MVC** design principles to structure web applications for maintainability and scalability, separating concerns across models, views, and controllers to streamline development and facilitate team collaboration.
- Implemented secure coding practices and conducted vulnerability assessments to ensure compliance with **OWASP** standards and internal security policies.
- Partnered with technology professionals such as developers, quality assurance, and application support to design, develop, and deploy new features, ensuring alignment with business requirements.
- Debugged software defects by analyzing logs, troubleshooting issues, and implementing robust solutions, improving system reliability.
- Led comprehensive code reviews and implemented rigorous unit and automated testing strategies to uphold high standards of code quality, ensure functional accuracy, and accelerate development cycles. Actively identified refactoring opportunities and enforced best practices, contributing to improved team productivity and reduced defect rates.

### TRC Companies | Houston, TX

May 2023 - Aug 2023

#### Digital Intern

- Engineered **Python** scripts automating **Excel** data, ensuring efficient conversion into deliverable files, streamlining operations for SCADA-monitored systems.
- Leveraged **PowerBI** for insightful modeling of raw **Excel** data, enabling robust analysis and visualization for informed decision-making in SCADA-driven environments.
- Contributed to data integrity by auditing and cleansing SCADA-related datasets in Excel, identifying anomalies, inconsistencies, and errors through advanced filtering, conditional logic, and cross-referencing techniques.

## PROJECTS

### Individual Taxpayer Identification Number Field

- Engineered a flexible input mechanism to support ITIN as an alternative to SSN, promoting inclusivity and compliance with diverse user identification needs. Applied regex-based front-end validation to ensure data integrity.
- Crafted an intuitive, responsive user interface using **PHP**, **JavaScript**, and **jQuery**, streamlining the data entry process and elevating the overall user experience through real-time feedback and accessibility enhancements.
- Collaborated in an agile development environment using Git for version control, facilitating seamless code integration, peer reviews, and efficient feature delivery across cross-functional teams.

### Medical Clinic Database Web Application

- Launched development of a comprehensive web-based medical clinic database application, hosted and maintained on **Microsoft Azure**, ensuring secure and reliable access for users.
- Designed and implemented a user-friendly front-end interface, leveraging **JavaScript**, **HTML**, and **CSS** to create an intuitive and visually appealing platform for seamless user interaction and navigation.
- Engineered back-end functionality using **PHP** and **MySQL**, integrating critical features such as user authentication, appointment scheduling, payment processing, and data management.

### Coding Simulator

- Developed "Coding Simulator," a dynamic clicking game utilizing **HTML**, **CSS**, and **JavaScript**. Demonstrated expertise in front-end development, focusing on user experience optimization and interface design.
- Integrated a public **REST API** to display data, fostering user engagement and adding a unique lighthearted distinctive layer into the gaming experience.
- Leveraged **HTML** and **CSS** skills to craft an intuitive and visually appealing game interface. Ensured a user-friendly design which enhanced user interaction and immersive gaming experience.

## SKILLS

PHP, jQuery, JavaScript, MySQL, C++, Python, Git, HTML, CSS, R, RStudio, VSCode, PHPStorm, PowerBI, Excel

## EDUCATION

### University of Houston | Houston, TX

B.S. Computer Science | Math Minor | GPA: 3.75