

# DAVID YUAN

## SOFTWARE ENGINEER

Richmond, VA 23229

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### SUMMARY

Software Engineer with experience in designing, developing, and maintaining scalable applications and systems. Strong background in .NET MVC, C#, PHP, JavaScript frameworks, and SQL. Proven track record of delivering high-impact software solutions in government environments.

### TECHNICAL SKILLS

**Frontend:** HTML5, CSS3, JavaScript, jQuery

**Other Tools & Platforms:** GitHub, KACE, SharePoint, WordPress, WooCommerce, PowerShell, Active Directory

**Backend:** C#, ASP.NET, .NET MVC, PHP, CodeIgniter

**Database:** Microsoft SQL Server

### PROFESSIONAL EXPERIENCE

#### Department Technology Specialist II, Henrico County Police Division

Jan 2023 - Present

- Developed and deployed 4 modernized software systems within the first 6 months of employment using .NET MVC and CodeIgniter
- Led end-to-end lifecycle of 2 KACE integrated applications for Henrico Courts and Police Fiscal
- Engineered a vehicle loaner application for Police Fleet operations, improving efficiency and asset tracking
- Created a Division-wide SOP and Directive document tracking tool with user credit validation
- Directed GitHub migration from Azure DevOps, standardizing CI/CD workflows and branching strategies
- Designed and maintained relational SQL databases and authored complex queries and stored procedures
- Migrated legacy eCommerce platform from OpenCart to WordPress/WooCommerce, enhancing user experience and maintainability
- Rebuilt knowledge base systems using SharePoint and phpMyFAQ, improving document accessibility and knowledge sharing
- Collaborated cross-functionally to define coding standards, naming conventions, and GitHub usage best practices
- Delivered multiple CRUD applications used by internal departments

**Key Achievements:** Awarded the Meritorious Unit Award for excellence in technical performance and collaboration with other departments

### EDUCATION

#### Bachelor of Science in Information Systems

Virginia Commonwealth University

### PORTFOLIO/PROJECTS

View Portfolio or live projects at: <https://davidy804.github.io/>

- **Tetris Game Clone:** JavaScript-based game demonstrating logic and DOM manipulation using React
- **Expense Tracker App:** Income/Expense tracker app using React
- **Product Reviews Site:** Review Blog using Angular and Firebase
- **Anime Recommendation Site:** Personal anime recommendations using JavaScript