

Eduardo Estrada

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Software Developer

Member of the Alpha Sigma Lambda - Tau Chapter Honors Society - Collaborative team player skilled at working with hardware and software professionals to develop cohesive and successful designs. Strong foundation in software engineering and programming principles across multiple platforms. Pursuing a successful career in the software development field where my skills in coding, troubleshooting, and testing will be useful in the delivery of state-of-the-art software solutions.

Summary of Technical Knowledge:

- Strong knowledge of object-oriented programming and application development tools
- Programming languages - C#, C, Java, Swift, Objective-C
- Front-end web development - Apache Web server, HTML5, CSS and JavaScript
- Database design - SQL, MySQL relational database management system and PHP server-side scripting
- Application development tools - PHP MyAdmin, X-CODE, NetBeans, Android Studio, Eclipse, MonoDevelop, Unity3D
- Version control - Microsoft Team Foundation Server, Git
- Operating Systems - Microsoft Windows, Ubuntu Linux, MacOS
- Experience in designing, implementing and deploying web applications to the Amazon Web Services cloud infrastructure
- Experience in designing, deploying and maintaining mobile applications to the iOS and GooglePlay stores

Software Development Skills:

- Analyze, design, create and modify GUI event-driven programs in object-oriented programming languages
- Create clear and comprehensive program documentation for all software development projects
- Implement effective strategies in debugging and testing with object-oriented and scripting programming languages
- Create HTML and PHP web applications that interact with a MYSQL databases

Database Design Skills:

- Evaluate options to make informed decisions to meet data storage, processing, and retrieval needs
- Design and document data structures by incorporating integrity constraints to satisfy business rules
- Build and populate normalized databases to meet business requirements using industry standards and best practices
- Develop structured query language (SQL) queries to create, read, update, and delete relational database data

Application Security Skills:

- Employ tools and security approaches to detect, analyze, and mitigate threats, vulnerabilities and attacks to web applications

Education and Professional Development:

- Pursuing Bachelor of Science in Software Development and Security w/ Minor in Computer Science – University of Maryland University College, Adelphi - 90/120 credits completed. Current GPA 3.88 / 4.00
- M.S. 20480 Front-end Development HTML5/CSS3/JavaScript - 2019
- How to Use Git and GitHub - 2018
- Microsoft Team Foundation Server Training – 2018

Summary of Experience:

Internship - Business Architecture Design Branch - Tobyhanna Army Depot (July 2018- November 2018)

- Prototyped Tobyhanna's Army depot public facing website, to a mobile friendly responsive design layout to increase mobile traffic and improve the users browsing experience
- Gathered and evaluated customer application requirements from business owners into documented technical requirements, for development teams and data architects to make informed decisions on data storage, processing, and relational design
- Translated functional requirements into design specifications to determined best approaches for implementation within the technical environment
- Participated with other team members in designing, documenting, developing, testing and implementing software programs
- Assisted senior software developers with coding, testing and debugging programs according to detailed customer requirements
- Consulted with customers to refine functional requirements
- Developed user test cases to ensure comprehensive solutions have been met
- Work with application developers to isolate and solve design problems encountered during testing and implementation stages

Electronic Mechanic Work Leader - Communications Components Branch - Tobyhanna Army Depot (June 2004 – Present)