TAYLOR LOPEZ

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Summary

Passionate Software Engineer with over 7 years of professional experience with proven abilities in program design and implementation. Dedicated to efficient, beautiful, and elegant code and revels in logical problem solving. Willing and able to learn and adapt to new technologies. Encouraging and optimistic team player with terrific written and verbal communication skills.

Skills / Credentials

- TS/SCI Clearance
- Security+ Certified: SY0-401
- Programming:
  - OO JavaScript, Python 2&3, Java, C#, C/C++, Flex, VBA
  - Assembly language exposure (MIPS)
  - Exposure to Cobol, ADA, Prologue, Lisp, VB
- Web: HTML5, CSS3, PHP, OO JavaScript, JQuery, AngularJS, Bootstrap
- MVC: Angular.js, ASP.NET MVC
- Data storage: XML, JSON, CSV
- Databases: MySQL, SQL
- Splunk

Experience

Software Engineer
May 2014 – Present

General Dynamics Information Technology - 8610 Explorer Drive, Ste. 215, Colorado Springs, CO

OO JavaScript, Java, C#, Python, VBA, Cisco IP IVR, PowerShell, SQL, SharePoint, InfoPath, Tech Writing

- Saved precious man hours by creating an automated Java desktop application that scraped an MHTML page, organized the data, and outputted a CSV file for easier ingestion into other applications.
- Avoided recompiling said Java desktop application by designing a flexible XML map format that allows for complex customization of the ingested data and output formatting.
- Automated a large portion of our account creation process by creating a maintaining a large state-based InfoPath account request form that used SharePoint workflows to send emails to the next signing parties and automatically created account creation tickets using a Siebel WebService.
- Automated our morning brief creation process by writing a VBA application with GUI that ingested data from multiple different source files and output a report in the form of a PowerPoint briefing.
- Increased interactivity and optimized use of page space by developing multiple, customizable JavaScript applets to be embedded into our SharePoint pages that could call workflows and load external content.
- Increased our call center's speed-to-answer metric by designing and developing our Cisco ACD's IP IVR system that included multiple incoming queues, VIP queues, callbacks, and dynamic priority assignment.

Software Engineer I
May 2013 – February 2014

Northrop Grumman Information Systems - 3535 Northrop Grumman Pt. Colorado Springs, CO

C++, Technical Writing, JavaScript

- Maintained and converted enterprise C++ code to be compatible with a new baseline.
- Wrote easy-to-understand technical instructions for performing said code conversions.

Technical Intern Level 2   June 2010 – May 2013
Northrop Grumman Information Technology - 3535 Northrop Grumman Pt. Colorado Springs, CO
JavaScript, Flex, CSS, Ruby
- ► Saved man hours by developing a JavaScript utility that generated large amounts of randomized data.
- ► Helped showcase company's product by creating demo video to show to potential customers.
- ► Improved data visualization and communication by developing customizable Flex components.
- ► Contributed to large web development project by creating a multi-page JavaScript component that could send and receive data to a server via REST calls, and could dynamically generate web forms based on received server data.

Technical Intern   June 2008 – June 2010
Northrop Grumman Information Technology - 1815 Jetwing Dr., Colorado Springs, CO
HTML, CSS, PhotoShop, Flash
- ► Lead and contributed to the creative process for making a 2D animation including concept artwork, character design, storyboards, animation (Flash), and voice acting.
- ► Represented the team by designing sleek, clean web page mockups using Photoshop.
- ► Designed attractive pamphlets and logos for the purpose of internal marketing.
- ► Wrote and illustrated political cartoons for print and web.
- ► Created smoothly-animated marketing banners to draw traffic to our websites.

Education

Bachelor of Science, Computer Science   May 2013
Mathematics Minor
University of Colorado in Colorado Springs

Training / Certifications

- ► Security+ Certified: (SY0-401, CompTIA)
- ► Cisco
  - ▷ Interconnecting Cisco Networking Devices: Accelerated
  - ▷ Implementing Cisco Voice Communications and QoS
  - ▷ Deploying Cisco Unified Contact Center Express Software v9.0 v5.0
  - ▷ Troubleshooting Cisco Unified Communications
  - ▷ Advanced Scripting for Cisco Unified Contact Center Express v8.0

Personal Projects / Achievements

OO JavaScript, Python, Java, C#, MySQL, PHP, XML, HTML5, CSS3, JQuery, AngularJS
- ► Designed and developed a personal website where I publish development projects and games as well as artwork that I've created (www.t-lopez.com).
- ► Public Coding Accounts:
  - ▷ JSFiddle: https://jsfiddle.net/user/iAmMortos/fiddles/
  - ▷ GitHub: https://github.com/iAmMortos
  - ▷ Plunker: http://plnkr.co/users/iAmMortos
- ► Developed a "Secret Santa" web application using PHP and MySQL for my family and in-laws to use to create gift wish lists with hyperlinks. Upon login, the site present you with who you're buying a gift for and their wishlist. This was to allow all family members the privilege of participating anonymously without having a singular "santa" figure who had to moderate the event.
- ► Developing a JavaScript 2d graphics framework as a learning exercise (in progress).
- ► Wrote a JavaScript Bible reader that loads external chapter files in a custom XML format. Parsed text for other verse references, and dynamically created cross-navigational links to those verses.
- ► Created a generalized XML structure for a large body of text (around 5.5 MB of raw ascii text) to be parsed and read by aforementioned Bible reader.
- ► Fascination with algorithmic solutions and optimization. Active account on ProjectEuler.