(Tripp) Milton Arthur Lamb III

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Trippalamb.com

Education		
Education	**UAHuntsville** (2007-2011)	Huntsville, AL
	Bachelor's Degree in Chemistry, Cum Laude **Minor in Math**	
	GPA: 3.6/4.0	
	Honors and Affiliations: Presidential Scholarship, Jane Knight Lowe Memorial Scholarship, Co-op of the Year for Department of Science (2010-2011 term), ACS Award for Analytical Chemistry 2011	

Expertise		
	Operating Systems:	Windows, Linux, Mac OS
	Proficient Languages:	Fortran, JavaScript/NodeJS , C#, Python
	Additional Languages: **(Professionally Used)**	C++, Java, Python, MATLAB, Bash
	Programming Environments:	Visual Studio, Atom, Vim
	Additional Technologies:	HTML5, CSS3, Git, XML, Electron, SQL

Experience

Delta Research Inc. (Nov 2013 - Present) — Huntsville, AL

Weapons Systems Analyst / Software Development Team Lead

- Lead a small development team to develop internal software to support the analysis of missile, radar, and battle management systems
- Software architect and manager of several software projects for data analysis and model simulation
  - Missile defense, missile, radar, and debris safety simulations
  - Various tools for post-processing of data from the above simulations
  - Versioning management and testing software for the above simulations
  - Multiple user interfaces for the above software
  - Scripts for miscellaneous analysis and data management
- Direct analysis when designing new analysis software, and additionally as needed
- Design company-wide software guidelines
- Lead the company-wide restructure to have a core software development team, to support the software needs of all engineers and analysts
- Determine which software development would benefit the company with minimal input from managers by working direction with engineers to determine bottlenecks and possible solutions
- Creation and presentation of documentation to explain capability and processes of developed software

HudsonAlpha (Feb 2013 - Oct 2013)   Huntsville, AL

Software Developer

- Maintained and updated in-house applications including: the main pipeline, the web interface that manages the main project, and web applications that handle form data
- Maintained constantly live software that can only be fully tested once in production
- Maintained and edited live data in MySQL database
- Programed in JavaScript, Bash, Perl, SQL, Python, and Java
- Used MVC and REST frameworks, HTML5, CSS3, various JS libraries, Git (GitHub), Vim, testing frameworks, and MySQL.
- JavaScript specialist for the Myers' Lab computational group
- Fielded questions from co-workers in the lab who use the tools we created on a daily basis

Center for Advanced Public Safety (Mar 2012 - Feb 2013)   Huntsville, AL

Junior Software Developer

- Website development in VB and C# using Visual Studio 2010, MVC3, SQL Server, and JavaScript
- Created website pages using HTML, CSS, jQuery, and external styling in addition to the tools used for website design
- Worked on multiple public service websites for the State of Alabama
- Performed program testing, reported bugs in code, and resolved bugs

AMRDEC (Sep 2007 - Dec 2011)   Redstone Arsenal, AL

Co-op Computer Scientist / Propellant Analyst

- Model and terrain creation (Blender, 3DS Max, OSG) for the Avenger Trainer (ADA-Trainer)
- Programmed on various projects (including the Avenger Trainer) in C++ and C#
- Developed and maintained an application for in-house file conversion
- Wrote papers and documents detailing research for future reference
- Performed chemical and mechanical testing on propellant samples
- Handled, transported, and inventoried explosives (1.1 and 1.3)

Programming Side Projects

- Generic Runge-Kutta method propagation
- Developing a new programming language
- Blackjack counting methods simulation and analysis
- Automated Forex Trading System
- https://github.com/trippalamb to view public projects

Certifications

- Secret Clearance