

# (Tripp) Milton Arthur Lamb III

[TrippALamb@gmail.com](mailto:TrippALamb@gmail.com)

Trippalamb.com

Education	<p><b>UAHuntsville</b> (2007-2011) <span>Huntsville, AL</span></p> <p><b>Bachelor's Degree in Chemistry, Cum Laude</b> Minor in Math</p> <p><b>GPA: 3.6/4.0</b></p> <p><b>Honors and Affiliations:</b> 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</p>
Expertise	<p><b>Operating Systems:</b> Windows, Linux, Mac OS</p> <p><b>Proficient Languages:</b> Fortran, JavaScript/NodeJS , C#, Python</p> <p><b>Additional Languages: (Professionally Used)</b> C++, Java, Python, MATLAB, Bash</p> <p><b>Programming Environments:</b> Visual Studio, Atom, Vim</p> <p><b>Additional Technologies:</b> HTML5, CSS3, Git, XML, Electron, SQL</p>
Experience	<p><b>Delta Research Inc.</b> (Nov 2013 - Present) <span>Huntsville, AL</span></p> <p><b>Weapons Systems Analyst / Software Development Team Lead</b></p> <ul style="list-style-type: none"><li>■ Lead a small development team to develop internal software to support the analysis of missile, radar, and battle management systems</li><li>■ Software architect and manager of several software projects for data analysis and model simulation<ul style="list-style-type: none"><li>○ Missile defense, missile, radar, and debris safety simulations</li><li>○ Various tools for post-processing of data from the above simulations</li><li>○ Versioning management and testing software for the above simulations</li><li>○ Multiple user interfaces for the above software</li><li>○ Scripts for miscellaneous analysis and data management</li></ul></li><li>■ Direct analysis when designing new analysis software, and additionally as needed</li><li>■ Design company-wide software guidelines</li><li>■ Lead the company-wide restructure to have a core software development team, to support the software needs of all engineers and analysts</li><li>■ Determine which software development would benefit the company with minimal input from managers by working directly with engineers to determine bottlenecks and possible solutions</li><li>■ Creation and presentation of documentation to explain capability and processes of developed software</li></ul>

	<p><b>HudsonAlpha</b> (Feb 2013 - Oct 2013) <span style="float: right;">Huntsville, AL</span></p> <p><b>Software Developer</b></p> <ul style="list-style-type: none"> <li>■ 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</li> <li>■ Maintained constantly live software that can only be fully tested once in production</li> <li>■ Maintained and edited live data in MySQL database</li> <li>■ Programed in JavaScript, Bash, Perl, SQL, Python, and Java</li> <li>■ Used MVC and REST frameworks, HTML5, CSS3, various JS libraries, Git (GitHub), Vim, testing frameworks, and MySQL.</li> <li>■ JavaScript specialist for the Myers' Lab computational group</li> <li>■ Fielded questions from co-workers in the lab who use the tools we created on a daily basis</li> </ul> <p><b>Center for Advanced Public Safety</b> (Mar 2012 - Feb 2013) <span style="float: right;">Huntsville, AL</span></p> <p><b>Junior Software Developer</b></p> <ul style="list-style-type: none"> <li>■ Website development in VB and C# using Visual Studio 2010, MVC3, SQL Server, and JavaScript</li> <li>■ Created website pages using HTML, CSS, jQuery, and external styling in addition to the tools used for website design</li> <li>■ Worked on multiple public service websites for the State of Alabama</li> <li>■ Performed program testing, reported bugs in code, and resolved bugs</li> </ul> <p><b>AMRDEC</b> (Sep 2007 - Dec 2011) <span style="float: right;">Redstone Arsenal, AL</span></p> <p><b>Co-op Computer Scientist / Propellant Analyst</b></p> <ul style="list-style-type: none"> <li>■ Model and terrain creation (Blender, 3DS Max, OSG) for the Avenger Trainer (ADA-Trainer)</li> <li>■ Programmed on various projects (including the Avenger Trainer) in C++ and C#</li> <li>■ Developed and maintained an application for in-house file conversion</li> <li>■ Wrote papers and documents detailing research for future reference</li> <li>■ Performed chemical and mechanical testing on propellant samples</li> <li>■ Handled, transported, and inventoried explosives (1.1 and 1.3)</li> </ul>
	<p><b>Programming Side Projects</b></p> <ul style="list-style-type: none"> <li>■ Generic Runge-Kutta method propagation</li> <li>■ Developing a new programming language</li> <li>■ Blackjack counting methods simulation and analysis</li> <li>■ Automated Forex Trading System</li> <li>■ <a href="https://github.com/trippalamb">https://github.com/trippalamb</a> to view public projects</li> </ul>
	<p><b>Certifications</b></p> <ul style="list-style-type: none"> <li>■ Secret Clearance</li> </ul>