Curtis Larson

EDUCATION

University of Richmond *Richmond, VA*
- Computer Science Major & Mathematics Minor
- ACM Member

EXPERIENCE

SpaceX *Los Angeles, CA*
Enterprise Software Engineer II October 2016-Present
- Design and develop internal ERP software with a focus on supply chain and purchase order management.
- Responsible for building software to increase the productivity of business users, decrease spend, and ensure there is a steady supply of parts and services to build rockets.
- Helped the supply chain team grow from a single engineer and product manager to a team of seven by mentoring and training new hires and taking part in phone screens and on site interviews.
- Involved in all steps of building the product including technical business requirements, full stack development, and end to end testing and maintenance.
- Often work multiple projects at a time with tight deadlines while also being the core maintainer of the current system.
- Primarily work with C#, Angularjs, and MSSQL.

QuackWare *New York, NY*
Freelance Full Stack Developer September 2015-Present
- Build custom websites from the ground up based on designs or wireframes.
- Specialize in quickly building MVP and startup websites for clients with tight deadlines
- Often work as the sole developer working on every aspect of the website.
- Work with Node.js, React, Meteor, Bootstrap, MongoDB, AWS, and whatever technology the client wants.

Bloomberg L.P. *New York, NY*
Software Developer July 2014-September 2015
- Maintained and improved unstructured data parsing software to provide increased transparency in fixed income markets.
- Revamped portions of a legacy codebase to reduce compile time by over 70%.
- Added profiling metrics to identify and fix inefficient code paths.
- Built static analysis tools to enforce coding standards and good practices.
- Researched, benchmarked, and deployed Redis and Cassandra clusters to store statistics on millions of daily messages.

Bloomberg L.P. *New York, NY*
Software Infrastructure Developer June 2013-July 2014
- Design and develop diagnostic and monitoring software for a large scale application platform.
- Created issue reporting and tracking system which aggregated large amounts of user data to help reduce application & infrastructure crashes over 90%.
- Daily use of JavaScript (node.js like), C++, and other proprietary technologies.

Bloomberg L.P. *New York, NY*
Financial Software Development Intern May 2012-August 2012
- Created an internal SpiderMonkey JavaScript debugger using C++, C#, and other proprietary technology.

University of Richmond *Richmond, VA*
Research Assistant May 2011-July 2011 / January 2012-March 2012
- Detection and analysis of malicious javascript using custom built tools
- Helped build Android examples and sample projects for an introduction to computing class.

Easton Utilities *Easton, MD*
Software Engineer May 2010-August 2010
- Designed and developed an internal customer management page and oil hedging application.

- Worked with C#, ASP.NET, MSSQL, and SQL Reporting Services.

ACTIVITIES

Android Application Developer
- "Hands Free Music" - searches your phone library and YouTube for music and plays via voice command
- "CrowdSource" - Location based social networking application focused on group discussion of location specific information.
- "GIFDroid" - Video to GIF converter with heavy focus on sharing via social networks.
- "Brian" - Mobile penetration testing platform.

Web & Desktop Application Developer
- Experience building websites with C# & ASP.Net, Drupal, Wordpress, and basic HTML/CSS.
- Built several small personal websites using the MEAN.io and meteor stacks.
- Used C# to built multiple utility and media desktop applications for free distribution on the Internet.

Arduino
- Working with the Arduino platform to create fun projects with a focus on home automation.

YouTube Partner
- Member of the YouTube Partnership Program with a focus on programming and computer related tutorials.

SKILLS & INTERESTS

- Proficient in C++, C#, Java, JavaScript (node.js, Meteorjs, React, Angular), and Python.
- Proficient with MySQL, MongoDB, Redis, Cassandra, Hadoop/HBase, and Spark.
- Enjoy quickly learning new technologies and producing results fast.