Matthew S. Fowler

Local Address

47 Prescott St

East Boston, MA 02128

Contact Information

E-mail: matt.fow@gmail.com

Phone: (857) 205-2070

Education:

Northeastern University

B.S in Computer Science with a Minor in Mathematics

Honors: Upsilon Pi Epsilon Honors Society, Golden Key Honors Organization

Technical Skills:

Languages: Java, Groovy, C#, C, Objective-C, Javascript, Matlab, SQL

Frameworks/Libraries: Hibernate, Spring, Tapestry, Knockout, Underscore

Special Project: Developing IOS app for determining profitability of rental properties.

Experience:

Cyrus Innovation   **Boston, MA**

Agile Software Engineer   *September 2011 – Present*

- Developed and maintained full-stack web application using Spring, Java, Groovy, Hibernate and Javascript to manage budget importing, processing and to track other various financial data sets.

- Applied agile software methodologies and test driven development to improve throughput, code quality and deliver features at a sustainable pace.

Percipio Media   **Cambridge, MA**

Software Engineer   *January 2011 – August 2011*

- Developed back-end Java data analysis engine with Predictive Modeling (PMML).

- Developed custom Java-based data mining and reporting using Pentaho BI.

- Developed Tapestry web pages which interfaced with a Hibernate database to display system data.

Genedata   **Lexington, MA**

Software Engineer   *March 2009 – January 2011*

- Developed large scale multi-threaded genomics analysis software using Java RMI based client/server architecture to process large amounts of data efficiently.

- Developed Java Swing components for the UI to display various genomics data.

Isobar   **Watertown, MA**

Software Engineer   *May 2008 – January 2009*

- Developed a distributed bidding system for optimal ad placement within Google Ads with Java and Matlab.

- Performed analysis and determined viability of a data compression algorithm.

- Optimized the software's primary bottlenecks leading to greater scalability.

Virgin Instruments   **Sudbury, MA**

Software Engineer   *January 2007 – April 2008*

- Developed a GUI desktop application in C# which allows for users to create and manage experiment templates for mass spectrometers.

- Developed a heat map GUI that maps multiple spectra intensities to colors for easy visualization of data.