Anthony John Burzillo

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Work Experience

Bloomberg LP New York, NY
Financial Software Developer with Listed Derivatives June 2015 - Present

- Designed and maintained a non-transactional in-memory database for the large volumes of read and writes per second
- Developed low-latency, real-time services backing applications for traders in the listed options market
- Packaged and maintained both internal and third-party libraries for distribution throughout engineering
- Created Chef scripts to facilitate quick machine configurations and turnarounds in both a cloud and server backed environment

Bloomberg LP New York, NY
Financial Software Intern with Bloomberg Intelligence May - August 2014

- Designed and implemented algorithms to intelligently speed up data caching using C++ and SQL
- Developed C++ and bash command line utilities to streamline testing

Mission Data Washington, DC
Backend Development Intern May - August 2013

- Implemented synchronous & asynchronous functionality using Ruby on Rails and JavaScript
- Developed APIs for smooth application deployment
- Engineered scalable relational database models

Technical Skills

- **Languages:** C/C++, Haskell, Ruby, Python, OCaml, Java, JavaScript, AMD64, bash, LaTeX
- **Frameworks:** Chef, Yesod, Ruby on Rails
- **Operating Systems:** Linux, Mac OSX, Windows, Solaris, AIX
- **Software:** vim, tmux, git, Mathematica, svn, dpkg, quilt, Microsoft Office

Education

The Johns Hopkins University Baltimore, MD
B.A. in Mathematics, B.S. in Computer Science May 2015
GPA 3.54; Dean's List – Fall 2011, Spring & Fall 2012

Relevant Coursework: Linear Algebra, Advanced Algebra I & II, Data Structures, Automata & Computation Theory, Compilers & Interpreters, Real Analysis I, Honors Analysis II, Intro to Topology, Mathematical Logic I & II, Computer Graphics, Differential Equations, Intro to Probability, Intro to Algorithms, Intro to Statistics, Programming Languages, Intro to Machine Learning, Randomized Algorithms, Modern Cryptography