Jonathan V. Eldridge

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EDUCATION

Brown University, Providence, RI

Master of Science, Computer Science September 2013 – December 2014 (expected)
- Cumulative GPA: 4.0
- Coursework in machine learning, multiprocessor synchronization, artificial intelligence (in progress), logic for hackers (in progress)

Bachelor of Arts, Computer Science and Science & Society September 2007 – May 2011
- Cumulative GPA: 3.8; CS concentration: 3.9
- Coursework including OOP, algorithms, computational biology, programming languages

WORK EXPERIENCE

Raphael Lab, Brown University, Providence, RI

Senior Student Research Assistant June 2013 – present
Working on HotNet, an algorithm for finding significantly altered subnetworks in a large gene interaction network. Designed and implemented an automated parameter selection algorithm, prepared a significantly updated version of the program for release as an open-source tool for the bioinformatics community, and used program for experiments with data from gene expression and genome-wide association studies. (All coding in Python).

Microsoft Corporation, Redmond, WA

Program Manager, Windows Developer Experience September 2012 – May 2013
Worked on Windows 8.1 features to allow application developers to prefetch content from online services and to improve the reliability of the WinRT runtime.

Program Manager, Windows Live Engineering Platform July 2011 – September 2012
All-up PM owner for development of the Windows Live service status site, status.live.com. Worked with team of 3 – 6 developers and testers to rebuild the site from the ground up, including improving messaging quality, isolating infrastructure to ensure status site availability, adding extensive QoS and usage instrumentation, and redesigning the site UX. Also served as team Business Intelligence / Customer Intelligence champ.

Amazon.com, Inc., Seattle, WA

Software Development Engineering Intern, Matching Team May – August 2010
Designed, implemented, and tested a REST service to dynamically serve attribute lists used in processing product submissions from external merchants. Also designed, implemented, and tested a web application to provide an interface for non-technical users within Amazon to view, modify, and audit changes to the attribute lists.

Department of Computer Science, Brown University, Providence, RI

Head Teaching Assistant & Undergraduate Teaching Assistant January 2009 – May 2011
Head and undergraduate teaching assistant for introductory courses in object-oriented programming, scientific computing, discrete structures and probability, and computer systems.

PROGRAMMING PROJECTS

cakehat, Fall 2009 – December 2012
Grader and administrator system for completing and managing grading for Brown CS courses. Wrote original program specifications, worked on team of developers, and coordinated implementation. Written in Java; approx. 40,000 lines of code.

See more projects at www.jveldridge.com/projects.

LEADERSHIP & VOLUNTEER EXPERIENCE

Admissions Office, Brown University, Providence, RI

Science Tour Coordinator & Science Tour Guide **November 2008 – May 2010**
Responsible for recruiting, selecting, and training guides, updating the script, and coordinating with departmental chairs and undergraduate groups.

Office of the Dean of the College, Brown University, Providence, RI

Meiklejohn Peer Advisor **August 2009 – May 2010**
Peer academic advisor for incoming freshman students.