**Stuart R. Davis**

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| **EDUCATION** | **Brandeis University**, Waltham, MA  *Bachelor of Science in Computer Science*, May 2011  *Bachelor of Arts in Economics*, May 2011  Minor in Business, May 2011 |
| **COURSEWORK** | • Theory of Computation • Financial Accounting  • Data Compression and Processing • Econometrics and Statistical Analysis  • Operating Systems • Financial Economics  • Programming Paradigms • Industrial Organization  • Scientific Computing • Micro and Macroeconomic Theory |
| **SKILLS** | *Computer Languages*: Java, Python, Perl, and some Scheme, MATLAB, LabVIEW  *Web Development*: HTML/CSS and some PHP, SQL, Javascript  *Computer Software*: Windows, GNU/Linux, Stata, SPSS, Photoshop, and Illustrator |
| **EXPERIENCE** | **Teaching Fellow** September 2012 to Present  *Harvard Extension School*, Cambridge, MA http://www.extension.harvard.edu/  • Answered in class questions about Java and other programming languages  • Explained complicated language concepts to first time Java students  **Test Engineering Intern** November 2011 to September 2012  *Google Inc.*, Cambridge, MA http://www.itasoftware.com  • Individually triaged test automation failures and authored new test cases in Java  • Independently wrote and refactored parsers for airline messaging standards in Perl  • Qualified and helped launch airline reservation system for company’s first customer  • Identified critical design oversights to improve usability and system stability  • Verified and smoke tested new features to seamlessly integrate with clients’ partners  • Studied message standards and compiled commanding knowledge in under a week  • Expert in airline messaging standards and Inter-Airline Through Check-in  **Web Designer and Developer** June 2009 to September 2011  *Stuart Davis Designs*, Concord, MA http://www.stuartrdavis.com  • Developed and deployed websites using Javascript and PHP with Drupal  • Performed web based graphic design while meeting deployment deadlines  **Advanced Programming Teaching Assistant** Jan. 2010 to May 2011  *Brandeis University*, Waltham, MA http://cs.brandeis.edu  • Clarified object oriented programming and advanced control structures in Java  • Explained data structures such as lists, trees, and graphs and their costs or benefits  • Helped students understand and conceptualize recursion and searching algorithms  **Research and Development Intern** June 2010 to January 2010  *MicroE Systems*, Bedford, MA http://www.microesys.com  • Designed and implemented quality assurance software for manufacturing  • Developed data acquisition software for research and performance analysis  • Performed data collection and stress tests with direct implications for clients |