

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
- Data Compression and Processing
- Operating Systems
- Programming Paradigms
- Scientific Computing
- Financial Accounting
- Econometrics and Statistical Analysis
- Financial Economics
- Industrial Organization
- 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