Garth W. Griffin

Contact Information

168 Albion St., Apt #2
Somerville, MA 02144

garth.w.griffin@gmail.com
http://garthgriffin.com
(978) 877 - 0708

Skills

Leadership	Project management, technical team lead, data architecture, system design
Data	Distributed computation, databases, machine learning, classification, clustering, natural language processing, visualization, presentation
Programming	Python, C/C++, Objective-C, Java, R, PHP, SQL, JavaScript, Bash, HTML5, CSS, Matlab.
Software	MySQL, MongoDB, MapReduce, Weka, LibSVM, Git, Mercurial, Subversion, Vim, Eclipse, jQuery, Ubuntu, Windows, OSX, iOS

Education

Tufts University, Somerville, Massachusetts

M.S., Computer Science. *May 2012.*

Swarthmore College, Swarthmore, Pennsylvania

B.A., Computer Science. *May 2009.*
B.A., Music. *May 2009.*

Professional Experience

Recorded Future (Cambridge, MA) – Data scientist *2012 - Current*
Data modeling and prototyping to improve core analysis product, delivering predictive analytic views to customers, managing analysts on data quality team.

Harvard University (Cambridge, MA) – Data science consultant *2014 - Current*
Design and implementation of a new visual interface for intuitive exploration of a unique dataset of historical documents, communicating directly with Principal Investigator and academic leaders.

Google, Inc. (New York, NY) – Software engineer intern *June - August 2012*
Worked with the Google Search Quality team, using social data to model the geographic distribution of interest in conceptual entities.

Tufts University (Somerville, MA) – Teaching assistant *September 2011 - May 2012*
Responsibilities included creating course syllabi and assignments, lecturing, providing feedback on students' work, and mentoring students both inside and outside of the classroom.

Google, Inc. (Mountain View, CA) – Research intern *June - August 2011*
Collaborated with Google research group to design and prototype a scalable approach for automatic on-the-fly music summarization, presented results to colleagues and superiors.

Drexel University (Philadelphia, PA) – NSF-supported student researcher *May - August 2009*
Developed a web application for real-time in-browser creation of beat-synchronous music mashups, utilizing signal processing and music information retrieval technologies.

Leadership & Volunteering

National Park Service (Boston, MA) – Volunteer technical lead *Current*
Technical manager and lead engineer on data mining and web visualization project.

Google CAPE mentor program (New York, NY) – Volunteer mentor *June 2012*
Mentored 9th graders in a computer science and technology educational outreach program.

Publications

G. Griffin, S. Li, C. Gramazio, R. Chang. An analytical approach for the creative design of new visualizations. Poster and extended abstract, InfoVis 2011.

G. Griffin, Y. E. Kim, D. Turnull. Beat-Sync-Mash-Coder: A web application for real-time creation of beat-synchronous music mashups. In proceedings, ICASSP, 2010.

G. Griffin. Teaching computers to appreciate music. Senior thesis, Swarthmore College, 2009.

Awards

Honorable Mention, National Science Foundation Graduate Research Fellowship. *2011.*
Member, Sigma Xi, Swarthmore Chapter. *May 2009.*