

Alex “Akiva” Bamberger

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Education

Columbia University New York, NY
M.S. Computer Science *Sep. 2010–Dec. 2011 (expected)*

Columbia University New York, NY
B.A. Computer Science/Math (Premed Concentration) *Sep. 2007–May 2010*
– Graduated *cum laude*, GPA **3.75** cumulative, **4.12** major

Work Experience

Columbia University, Dept. of Applied Math and Applied Physics New York, NY
Research Assistant *Fall 2010*
– Studying movement of antibody microclusters on the surface of T-cells using computer vision

Google, Inc. Mountain View, CA
Software Engineering Intern *Summer 2010*
– Designed & implemented Google Health API in Google Docs; crafted Android app to improve Spin Classes using AppEngine, the Android SDK & a simple peak-finding algorithm

National Aeronautics and Space Administration (NASA) Mountain View, CA
Software Engineering Intern *Summer 2009*
– Designed Java software to improve GUI development for the Mission Control Technologies software; wrote unit tests to increase coverage using Clover and TestNG

Columbia University, Dept. of Biomedical Informatics New York, NY
Research Assistant *Summer 2006, Summer 2008*
– Studied cardiac arrest predictability in Perl & developed GUI to visualize medical ontology using SQL and Java (2008); studied illness due to travel using clinical notes & effectiveness of NLP software using Perl (2006)

Skills

Technical: Java, Perl, PHP, Python, Javascript, C/C++, SQL, MATLAB, OCaml, HTML, L^AT_EX, CSS
Google AppEngine, Google Web Toolkit, Django, jQuery, *nix

Languages: Advanced German, Basic Hebrew

Publications

Hripcsak G, Bamberger A, Friedman C. Fever detection in clinic visit notes using a general purpose processor (abstract). Fifth Annual Syndromic Surveillance Conference; 2006 September 19-20; Baltimore, MD: International Society for Disease Surveillance, 2006.

Awards

Google Intern Poster Finalist: *Summer 2010*

Columbia Science Department Award: *Spring 2010*

Certificate of Distinction for Academic Excellence: *Spring 2010*

Dean’s List: *Fall 2007–Fall 2009*

Leadership

Web2.0 Expo

Speaker, "Why Hacking Matters"

New York, NY

September 2010

- Discussed role of hacking in a technically oriented organization

HackNY (HackNY.com)

Founding Organizer, Winning Contestant

New York, NY

Spring 2010–Fall 2010

- Established the first NYC wide intercollegiate hackathon for more than 200 students & 18 NYC based startups
- Presented at the NY Tech Meetup before more than 700 people in the tech community
- Profiled in the New York Observer: <http://bit.ly/akiva-ny-observer>

Association for Computing Machinery (ACM)

Graduate Advisor, President, VP Corporate Affairs, Treasurer

New York, NY

2008–2010

- Managed, led & oversaw Columbia ACM chapter. Developed an **Application Development Initiative (ADI)**, a **Hackerspace**, & hackathons.

Application Development Initiative (ADI)

Founder

New York, NY

2009–2010

- Spearheaded initiative to grow the developer community at Columbia

"Bits and Pieces" Column (Columbia Spectator)

Columnist

New York, NY

Fall 2009

- Wrote about tech at Columbia & around the world in biweekly column