

Matthew Beaumont-Gay

12620 Matteson Ave #11
Los Angeles, CA 90066

Mobile: 310 867 9147
Email: mattb@cs.ucla.edu

- Education** [University of California at Los Angeles](#) Sep 2005–present
Ph.D. in Computer Science, in progress
Cumulative GPA: 3.82
[Harvey Mudd College](#) Sep 2001–May 2005
Bachelor of Science in Computer Science, May 2005
Cumulative GPA: 3.25
In-Major GPA: 3.59
Graduate Coursework: Computer Security, Parallel Programming, Network Security, Cryptography, Advanced Networks, Advanced Operating Systems, Internet Architecture and Protocols, Wireless and Mobile Networking, Experimental Methodology for Computer Systems, Static Program Analysis, Type Systems, Parallel Languages
Computer Science Clinic: Cryptek, Inc. Sep 2003–May 2004
Developed software to allow large-scale testing of Cryptek’s Network Security Controller product. Project involved using IPSec protocols and developing a scalable, highly concurrent network application. Member of a 4-person team.
- Publications** Matt Beaumont-Gay. A Comparison of SYN Flood Detection Algorithms. In *Proc. Int’l. Conf. on Internet Monitoring and Protection*, July 2007.
Matt Beaumont-Gay, Kevin Eustice, and Peter Reiher. Information Protection via Environmental Data Tethers. In *Proc. New Security Paradigms Workshop*, November 2007.
- Academic Honors** [Harvey Mudd College CS Departmental Honors](#) 2005
[Harvey Mudd College Dean’s List](#) Fall 2003, Spring 2004
[Harvey S. Mudd Merit Scholar](#) 2001–2005
- Employment** [Google](#)
Software engineering intern Jun–Sep 2007
Designed and implemented a tool to analyze the impact of link failures in Google’s data center networking infrastructure.
[Canon Development Americas](#)
Software engineering intern May–Aug 2005
Developed a tool for performing man-in-the-middle attacks on SSL connections. Researched Web Service security protocols, including XKMS and WS-SecureConversation.
[Google](#)
Software engineering intern Jun–Aug 2004
Assisted a full-time software engineer with C++ language standards-compliance changes across a large part of the company’s codebase. Helped develop automated process for building and packaging distributed cross-compiler for use at satellite offices.
[Harvey Mudd College Computer Science Department](#)
Junior system administrator Feb–May 2004
Helped with user support for department-run systems. Aided senior staff with system administration and maintenance, including software package management and assorted troubleshooting.
[The Aerospace Corporation](#)
Information security research assistant Jun 2002–Jun 2004
Implemented or helped implement several information security research projects, in areas including intrusion response, multi-level access to security-labeled data, and automated network security management.
- Skills** **Programming Languages:** Fluent in C, C++, Python, and UNIX shell. Some knowledge of Java, Perl, SML, and Objective-C.
Networking: Familiarity with IP, TCP, UDP, and many application-level protocols.
System Administration: Mac OS X, FreeBSD, various desktop Linux distributions.

References available upon request.