

KENNY H. LAM

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EDUCATION

Massachusetts Institute of Technology Masters of Engineering in Computer Science & Engineering Distributed Systems, Computer & Network Security, Computer Vision	Cambridge, MA June 2014 GPA: 5.0 of 5.0
Massachusetts Institute of Technology Bachelors of Science in Physics, Computer Science & Engineering Database Systems, Computer Security, User Interface, Computational Photography, Computer Graphics Algorithms I & II, Computer Systems, Artificial Intelligence, Web Programming, Software Construction Linear Algebra, Discrete Math, Probability & Random Variables, Differential Equations, Calculus I & II	Cambridge, MA June 2013 GPA: 4.7 of 5.0

EXPERIENCE

Illumio <i>Software Engineer</i> Restructure of application for full operation across the WAN, including distributed computations and cache invalidations Design and implementation of RESTful API's for various components of security policy Infrastructure for dynamic configuration of services and automatic failure detection Architecture and implementation of telemetry server for notification of downed nodes. Design and setup of pipeline for aggregation of flow logs from all nodes. Creation of configuration tool to allow product to be fully relocatable	Sunnyvale, CA Sept. 2014 – Present
Microsoft <i>Intern, Microsoft Business Solutions</i> Worked closely with various teams to implement and test a new LINQ provider which could access data for the Microsoft Dynamics platform. Tests on the data provider showed 70 to 80% improvement in performance times for large datasets	Bellevue, WA June – Aug. 2013
MIT Computer Science & Artificial Intelligence Lab (CSAIL) <i>Advanced Networks Architecture Group</i> Collaboration with the Federal Communications Commission (FCC) to perform numerical analysis on large datasets of measurements to establish reliability, integrity, and effects of buffer bloat among different ISPs	Cambridge, MA Oct. 2011 – May 2012
Israel Institute of Technology <i>Researcher, Sznitman Biomedical Lab</i> Developed and tested a numerical solver in which could solve fluid flow motion and particle motion, while satisfying Stokes' equation. Solver was later used to generate models of respiratory function in lung alveoli with inhaled particles using 3D modeling software	Haifa, Israel June – Aug. 2012

LEADERSHIP

Camp Kesem MIT <i>Fundraising Coordinator, Public Relations Coordinator, Program Counselor</i> Raised over \$70,000 for children of cancer patients to attend camp freely with fellow coordinators Led a team of 8 counselors to engage campers to have fun and participate, while managing behavioral issues and maintaining safety	Cambridge, MA Sept. 2011 – May 2013
Zeta Beta Tau Fraternity, MIT <i>Philanthropy Chair</i> Organized a fundraiser to increase awareness of our organization, and raised over \$2,000 for Boston Children's Hospital	Cambridge, MA Jan. – May 2012

ACHIEVEMENTS

Frank Lee Galeener Scholarship (2010 – 2013)
Eugene and Margaret McDermott Scholarship (2009 – 2013)
David A. Chanen Writing Award for technical writing (2012)

SKILLS

Language: Ruby/Rails, SQL, Python, Go, Java, Bash, Git, JavaScript/jQuery, SVN, MATLAB, LaTeX, reST
Tools: Linux/UNIX, PostgreSQL, Consul, Redis, Memcached, MySQL, Nginx, Phusion Passenger, Thin, Chef, Fluentd, Heroku