KENNY H. LAM

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Masters of Engineering in Computer Science & Engineering   June 2014
    Distributed Systems, Computer & Network Security, Computer Vision   GPA: 5.0 of 5.0

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

EXPERIENCE

Nara Logics   **Cambridge, MA**
Machine Learning Engineer   *Feb 2017 – Present*
     Explored models for movie similarity and recommendations of 23M users with approx. 2B total views, finalizing a production model which achieved ~40% recall@50 for recommendations
     Created tf-idf models for document similarity and 1D convolutional models for URL multiclass classification, both used for recommending similar content articles to users
    Developed framework for reducing the number of models parameters prior to deployments

Illumio   **Sunnyvale, CA**
Software Engineer   *Sept 2014 – Jan. 2017*
    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.

Microsoft   **Bellevue, WA**
Intern, Microsoft Business Solutions   *June – Aug 2013*
    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

MIT Computer Science & Artificial Intelligence Lab (CSAIL)   **Cambridge, MA**
Advanced Networks Architecture Group   *Oct 2011 – May 2012*
    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

LEADERSHIP

Camp Kesem MIT   **Cambridge, MA**
Fundraising Coordinator, Public Relations Coordinator, Program Counselor   *Sept 2011 – May 2013*
    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

Zeta Beta Tau Fraternity, MIT   **Cambridge, MA**
Philanthropy Chair   *Jan – May 2012*
    Organized a fundraiser to increase awareness of our organization, and raised over $2,000 for Boston Children's Hospital

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: Python, Ruby, SQL, Golang, Java, Bash, Git, JavaScript, MATLAB, LaTeX
Tools: Linux/UNIX, Django, Django Rest Framework (DRF), Docker, Docker Swarm, Rails, NumPy/SciPy, TensorFlow, Keras
Systems: PostgreSQL, Redis, Memcached, Redis, MySQL, Nginx, Phusion Passenger, Thin, Fluentd, Chef, AWS, GCP