Jonathan T. "JT" Cho

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Education

University of Pennsylvania - School of Engineering and Applied Science, Philadelphia, PA
Bachelor of Science in Engineering in Computer Science; May 2017
Minor: *Math, Statistics*
Coursework: Machine Learning, Operating Systems, Algorithms, Networks & Security, Networked Systems, Data Structures and Algorithms, Computer Organization and Systems, Intro Interpreters & Compilers, Discrete Math, Expert Systems, Linear Algebra, Stochastic Processes
Honors: Intensive Certificate in Computer Science from **Stanford University.**

Technical Skills

Programming/M.U. Languages:	Java, Python, C, Javascript, HTML, LaTeX
APIS/Tools:	AngularJS, Node.js, D3, MongoDB, PostgreSQL
Programs/Editors:	Mathematica, Matlab, Photoshop, Illustrator, Solidworks, vim
Concepts:	Machine Learning, Networks, Expert Systems (A.I.)

Work Experience

Dec. 2014 - Present	Teaching Assistant at **The University of Pennsylvania** *Data Structures and Algorithms [CIS121]* Teach lab section for CIS121 as well as hold weekly office hours. Proctor and grade exams, as well as augmenting homework assignments (written/programming).
Jun. 2015 - Aug. 2015	Software Engineering Intern at **CloudLock** Worked as part of the CloudLock for Google product team as a full-stack engineer. Developed an annotation feature for security incidents on the CloudLock platform that had high customer demand. Also designed and implemented a framework for scanning Google Sites for security incidents, a critical feature that enabled 30+ client companies to upgrade to the new CloudLock platform.
Aug. 2013 -Apr. 2015	Senior Informational Technology Advisor at **The University of Pennsylvania** *College Houses and Academic Services* Assisted fellows with tech issues and staffed the help desk for 8-10 hours per week and handle more challenging cases. Applied a wide range of high-level device and network troubleshooting practices.
Aug. 2012 - Jan. 2013	Volunteers' Education Supervisor and Shift Leader at **The Good Samaritan Hospital**, San Jose, CA *Junior Auxiliary* Managed volunteering shift of 8 people every week. Taught and led training of new volunteers (50/yr). Headed new initiative for volunteer cleaning and interaction with patients, to increase volunteer responsibility.

Projects

CIS121 Labs May 2015 - Present	Design and write new lab materials for the CIS121: Data Structures and Algorithms course. Write notes for algorithm/data structures topics as well as problems and solutions.
PAUSE Dec. 2014 - Present	Design and build a Chrome extension that replaces web browser new tab page with RPG-esque status screen with self-drawn pixel art.
BST Visualizer Nov. 2014	Built an Angular/D3 app to visualize insert operations on various binary search trees.
Ant Blob Tracker Jun. - Jul. 2012	Independently developed computer vision software to model ant group behavioral dynamics at *Penn State.* Self-taught C++ and OpenCV over the course of 4 weeks. **Penn State University**, *Center for Infectious Disease Dynamics*, David Hughes Lab