# 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*
<u>Minor</u>: *Math, Statistics*
<u>Coursework</u>: 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
<u>Honors</u>: Intensive Certificate in Computer Science from **Stanford University.**

## Technical Skills

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

## Work Experience

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|---|---|
| Dec. 2014 - Present | Teaching Assistant at **The University of Pennsylvania**<br>*Data Structures and Algorithms [CIS121]*<br>Teach recitation section for CIS121 as well as hold weekly office hours. Design programming assignments as well as write unit tests for grading in *Java*. Proctor and grade exams. |
| Aug. 2013 - Present | Senior Informational Technology Advisor at **The University of Pennsylvania**<br>*College Houses and Academic Services*<br>Assist fellows with tech issues and staff the help desk for 8-10 hours per week and handle more challenging cases. Apply 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<br>*Junior Auxiliary*<br>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. |

## Recent Projects

**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.

**NALDA Easy Travel**
Aug. 2014 - Jan. 2015

Commissioned to design and build website for a Cancun travel guidance service for college students. Built using the MEAN stack and Yeoman.

**BST Visualizer**
Nov. 2014

Built an Angular/D3 app to visualize insert operations on various binary search trees.

**Colorfeel**
Oct. 2014

Developed in 24 hours an iOS mood-journaling app using Swift that allows users to document their feelings with colors over time. HackMIT Fall 2014 submission.

**Aiura RPG Mod**
Jul. 2012 - Aug. 2013

Developed a Minecraft multiplayer mod for a popular online server as a side project for a year. Used Java and Java Reflection.

**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