shannon **yang**

computer science + mathematics student

about

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languages

Python, SML, C/C++
JavaScript
LaTeX
CSS3 & HTML5

coursework

- Computer Systems
- Parallel Data Structures and Algorithms
- Computational Discrete Math
- Machine Learning
- Matrices and Linear Transformations
- Probability

interests

probability and queueing theory, algorithm analysis, web design, machine learning

education

since 2013	**B.S.** in Computer Science *with Additional Major in Mathematical Sciences*	Carnegie Mellon University, PA

experience

2014 - 2015 **Carnegie Mellon University, PA** *Teaching Assistant*
15-112 Course Assistant: Held recitation and office hours weekly, provided individual and group tutoring, and mentored students one-on-one during a three-week term project.

05–08 2014 **Carnegie Mellon University, PA** *Research Assistant*
Keystroke forensics research: Analyzed typing/keystroke forensics data from typists learning a password. Coded scripts, applications, and webpages to gather subjects' data

06–08 2012 **NASA Goddard Space Flight Center, MD** *Internship*
Coordinated workshops for STEM educators and outreach to local programs in the Educator Resource Center. Worked with SISTER at Goddard, an intensive STEM summer program for middle school girls.

projects

2015 **Spaces** soon available on GitHub
Collaborative whiteboard environment made for hackCMU 2015 using a Kinect and projector. Winner of the Microsoft API Prize.

2015 **Asteroids** soon available on GitHub
Augmented reality remake of the Atari game Asteroids, made using an projector, webcam, openCV, and Myo band. Top 6 at TartanHacks 2015.

2013 **Fire Flyer** available on GitHub
Final project for *15-112: Fundamentals of Programming and Computer Science* at Carnegie Mellon University.