

# ADRIAN WAN

Swarthmore College, 500 College Ave., Swarthmore, PA 19081

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## EDUCATION

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**Swarthmore College** Swarthmore, PA • B.A. Physics & Computer Science, expected June 2015  
Cumulative GPA: 3.92 • Selected coursework:

**Physics:** Quantum Theory<sup>1</sup> · Independent Research (Lab. Plasma) · Analytical Dynamics ·  
Electrodynamics · Thermodynamics & Stat. Mechanics · Optics · Quantum Mechanics

**Computer Science:** Databases<sup>1</sup> · Operating Systems<sup>1</sup> · Artificial Intelligence ·  
Bioinformatics · Intro. Computer Systems · Data Structures & Algorithms

<sup>1</sup> Spring 2014 coursework

## EXPERIENCE

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### **Swarthmore Spheromak Experiment (SSX)** (Summer – Fall 2013)

#### Research Assistant

- Received the Vandervelde-Cheung Scholarship for summer research in Physics; was invited to return during subsequent academic semester to continue research for academic credit.
- Developed Python scripts employing the PyLab environment to process and present data, focusing on identifying features analyzable using techniques in Plasma Physics literature.
- Received the Outstanding Undergraduate Poster Award for poster presentation at the APS Division of Plasma Physics 2013 Meeting.
- Co-authored papers submitted to several Physics journals, to be published.

### **Swarthmore Coll. Athletics** (Fall 2012 – Ongoing)

#### Assistant Manager — Women's Volleyball

- Promotion from statistician, hired for remaining duration of attendance at Swarthmore Coll.
- Committed 15+ hrs/week; employed rapid, organized multi-tasking to assist practices, track player statistics, and analyze opponent offensives to inform defensive strategy.
- Maintained a positive team-oriented attitude, counseled teammates and mediated discussions on rocky inter-player and player-coach relationships.

### **Swarthmore Coll. Athletics** (Fall 2011)

#### Volleyball Statistician

- Coordinated with small team under pressure to generate live comprehensive match statistics and box scores. Required clear, collected, rapid communication and cooperation.
- Was recognized by Volleyball Head Coach, invited to join core team as Asst. Manager.

More details and other Experiences listed on LinkedIn.

## SKILLS

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### **Cultural Fluency**

- *Languages:* Fluent in English, Mandarin, Cantonese, Japanese; basic French.
- *Hong Kong:* Permanent Resident, born and raised, current inhabitant.
- *Japan:* 2 month homestay (Summer 2012), supplemented by frequent independent travel.

### **Technological Proficiency**

- *Software Development:* Python 2.7 (with PyLab), C, C++  
Stack Overflow profile: A. Wan (userID 2452770)
- *Presentation:* L<sup>A</sup>T<sub>E</sub>X, Mathematica, Kaleidagraph, Microsoft Office Suite, alternative presentation tools (e.g. Prezi), Final Cut Pro & Soundtrack Pro (film & multimedia)