ADRIAN WAN

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I leverage Physics and code to learn about and explain more of the world.

EDUCATION

Swarthmore College Swarthmore, PA • B.A. Physics & Computer Science, expected June 2015
Cumulative GPA: 3.91 • Selected coursework:

Physics: Quantum Theory · Independent Research (Lab. Plasma) · Analytical Dynamics · Electrodynamics · Thermodynamics & Stat. Mechanics · Optics · Quantum Mechanics

Computer Science: Databases · Operating Systems · Artificial Intelligence · Bioinformatics · Intro. Computer Systems · Data Structures & Algorithms

EXPERIENCE

Nest (Summer 2014)
Algorithm Design & Data Science Intern
- Spearheaded prototyping of data-driven user product.

  Pandas

  Notebooks / analysis

  Modeling, math
- Interfaced with other teams
- Iterated on dataflows and logic to maximize scalability, extensibility, flexibility.

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 identify and analyze features using techniques in Plasma Physics literature.
- Received the Outstanding Undergraduate Poster Award for poster presentation at the APS Division of Plasma Physics 2013 Meeting.
- Coauthored papers published in *Physical Review Letters* and in *Plasma Physics and Controlled Fusion.*

Details, Publications, and other Experiences listed on LinkedIn.

SKILLS

Technological Proficiency
- *Software Development:* Python 2.7 (with `PyLab`, `Pandas`), C, C++, Atlassian stack (Git)
- *Presentation:* LaTeX, Mathematica, Keynote, Microsoft Office Suite, Final Cut Pro & Soundtrack Pro (film & multimedia)