Jonathan Sun

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Education

Columbia University in the City of New York   **Expected Graduation: May 2017**
Columbia College – B.A. Computer Science

- Major: Computer Science. Concentrations: Mathematics, Statistics.
- Current Courses: Programming Languages and Translators, Statistical Machine Learning, Analysis of Algorithms, and Intro to Probability & Statistics.
- Relevant Courses: Advanced Programming, CS Theory, Fundamentals of Computer Systems, Data Structures & Algorithms, Discrete Math, Honors Intro to CS, Calculus III & IV, Linear Algebra (Cornell, Fall 2012).

Work Experience

Software Development Internship   **Summer 2015**
Everplans, NYC

- Full-stack member of the development team, working with agile practices. Contributed to the final production and release of a milestone online service product.
- Contributed to the publication of a JavaScript library – a React.js & Flux utility belt that handles simple patterns around the unidirectional data flow, built to test.

High-Energy Gamma-Ray Astrophysics & Cosmology Research   **Summer 2014**
Nevis Laboratories, Columbia University

- Worked on the Nevis team of the global-effort *Cherenkov Telescope Array* project.
- Prepared and assembled mirror panel edge sensors for the production of *Schwarzschild-Couder* telescopes. Tested edge sensor performance and stability against environmental stressors.
- Published research findings to the Columbia Undergraduate Science Journal.

Software Development   **Summer 2011**
Cornell University

- Developed a prototype 'Dual Alignment Diagnostic Tool' that evaluates the productivity of the industrial work environment and organizational behavior.

Research

Anonymous Identity-Based Encryption Research   **Summer 2015**
Columbia University: Department of Computer Science

- Working with Dr. Bishop to develop an anonymous IBE scheme based on three group elements.

Honors & Awards

Science Research Fellow   **Fall 2013**
Columbia University in the City of New York

- One of eleven SRFs in the Class of 2017, a prestigious four-year designation for Columbia's best science students.

National Merit® Corporate Scholarship   **Spring 2013**
BorgWarner Inc.

- Selected by the National Merit® Scholarship Corporation for a four-year sponsorship award.

Skills

- Proficient: Java, C, C++, JavaScript, Ruby, Python, Git, and UNIX. Familiar: OCaml, R, Perl, and MIPS.
- Languages: Chinese (fluent speaker), French (working proficiency).

Extracurricular

Clubs	Application Development Initiative (ADI Labs member, CS Mentor)
	Columbia Classical Performers (board member, webmaster)
	Sabor – Latino Dance Performance Team (webmaster)
Sports	Soccer, snowboarding, tennis
Music	Columbia University Orchestra
	Columbia POPs Orchestra