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 in an agile-development environment. 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

- Development of Mirror Panel Edge Sensors for next-gen Cherenkov Telescope Array.
- Streamlined procedure for testing hundreds of edge sensor parts. Analyzed edge sensor performance and stability against environmental factors.

Research

Anonymous Identity-Based Encryption Research   **May 2015 — Ongoing**

Columbia University: Department of Computer Science

- Working with Dr. Allison Bishop to develop a new 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 in Java, C, JavaScript (React), Ruby on Rails, Gitflow, UNIX, and LaTeX. Learning Python, OCaml, and R. Familiar with C++, Perl, and MIPS.
- Languages: Chinese (fluent speaker), French (working proficiency).

Extracurricular

Clubs Application Development Initiative (ADI Labs member)
Sabor: 'Columbia's First Latino Dance Troupe' (board member, webmaster)

Sports Intramural soccer
Tennis

Music Columbia University Orchestra
Columbia Pops Orchestra
Violin & piano performance