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## Education

New York University Shanghai, Shanghai, China – Class of 2020, Honors Mathematics & Computer Science major

Cushing Academy, Ashburnham, Massachusetts, USA – Class of 2016

## Honors

AP SCHOLAR WITH DISTINCTION, 2016

CUSHING SCHOLAR, 2015 & 2016

AP SCHOLAR WITH HONORS, 2015

ROBERT ALEXANDER BLAUNER 1995 TECHNOLOGY PRIZE

1<sup>st</sup> PLACE IN INTERNATIONAL KNOX DA VINCI DECATHLON

THE HESLIN FAMILY PRIZE, 2015

## Experience

### **SOFTWARE ENGINEERING INTERN, ALTAN TECHNOLOGIES – 2015**

Embedded development working on advanced gantry systems, experimental wireless communication technologies, power monitoring systems and vehicle bus communications systems.

### **FOUNDER, CUSHING ACADEMY MAKERSPACE – 2013-2016**

The Cushing Academy Makerspace served as a learning-working makerspace on campus, facilitating any intellectual curiosity and prowess in engineering amongst the community.

### **LEAD DEVELOPER, ORGANIC CHEMISTRY LABORATORY (CUSHING ACADEMY) – 2015-2016**

Researched natural anti-cancer compounds and developed state of the art teaching tools and aids in the field of chemistry.

### **LEAD DEVELOPER & RESEARCHER, CRITICAL ISSUES FORUM (CUSHING ACADEMY) – 2015-2016**

Developed presentations and research projects that aimed to raise awareness of nuclear non-proliferation and disarmament. Presentations done in Hiroshima, Japan & Monterey, California

### **FOUNDER & LEAD DEVELOPER, INVESTMENT CLUB (CUSHING ACADEMY) – 2012-2016**

Developed a robust, realtime stock market simulation which served host to an annual inter-school stock market competition.

## Skills

Experienced with:

- Full-Stack Development
  - Node.js/Javascript
  - ASP.net & PHP
  - CSS and derivative preprocessor languages
  - HTML and derivative preprocessor languages
- Information Security
- Socket-based communication
- SQL databases
- Command line tools (Unix/Linux/Windows)
- Arduino Programming
- 3D Modeling and Printing

Extensively Used Languages:

- Full-Stack Development
- C/C++
- C#
- Objective-C & Swift
- Python
- Java
- Ruby