

# STUART RUCKER

<http://stuartrucker.github.io>  
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## EDUCATION

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### Phillips Exeter Academy

Exeter, NH

*Candidate for Classical Diploma*

2018

- AP Computer Science (5), AP Calculus (5), AP Macroeconomics (5), AP Microeconomics (5), AP Human Geography (5), AP World History (5), In progress - AP Physics C, AP Latin, AP Statistics
- SAT Subject Test: Math Level 2 (800)
- GPA: 10.5/11

## SKILLS

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**Programming Languages:** Java, Arduino (C++), Web (HTML, CSS, JavaScript)

**Languages:** Latin IV, Spanish (Spanish Immersion in South America - 5 weeks)

## EXPERIENCE

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### TechLab Education

Silicon Valley, CA

*Software Developer & Instructor*

Summer 2015

- Hired to develop image processing algorithms to detect diabetes from retinal scans and software teaching tools for Arduino, Java, and Web classes.
- Lead teacher for Arduino, Internet of Things, Java and Web Development classes for middle and high school students.

### Massachusetts Institute of Technology (MIT) Media Lab

Cambridge, MA

*Collaborator*

2014

- Developed Arduino based hardware and software projects (website controlled Bluetooth sprinkler system, self-designed laser cut Arduino controlled clock, real-time feedback rowing accelerometer).

## HONORS

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USA Computing Olympiad (USACO) Gold Division 2015

AngelHack Silicon Valley 2015: 1st Place – Gesture Control, 2nd Place – Autodesk 3D App 2015

Phillips Exeter Academy Computer Science Award 2015

College Board: AP Scholar with Distinction 2015

AZ Studies Program Piano: Superior with Honors 2007-2014

## LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

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JV Soccer, V/JV Squash, V Volleyball 2014-

The Exonian Newspaper – Board Member (Business), Developer (Web Edition) 2014-

Democracy of Sound – co-head 2014-

Economics Club 2014-

US Soccer Referee (G8 and G9) 2014-

MathPath (competitive math program) 2013

Scottsdale AZ Sister Cities Assoc Jr Board Member 2013-2014