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**PROFILE:** Machine learning enthusiast driven to push the cutting edge of current research and generalize the field to model the complexities of real world problem solving and decision making. Enjoy working on novel approaches or on improving the current state of the art.

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**EDUCATION:**

**Stanford University** | Palo Alto, CA

**B.S. Computer Science, Math Minor, Creative Writing Minor** *Expected June 2019*
**M.S. Computer Science** *Expected June 2020*
**Relevant Coursework:** Matlab, Interactive Device Design, Stanford Summer Engineering Academy (SSEA): Intensive introduction to engineering concentrations. Current: Programming Abstractions (CS106X, C++), Mathematical Foundations of Computing (CS103). Will complete full CS core curriculum this year.

**Choate Rosemary Hall** | Wallingford, CT | GPA: 4.66/4 Weighted (highest in prior 5 classes)

**Relevant Coursework:** Science Research Program (18 months), AP Physics C, Linear Algebra, Multivariable Calculus, Robotics, Spanish (4th year), Mandarin (6th year),
**Relevant Awards and Honors:**

- Choate Award for Outstanding Dedication to Science *Spring 2015*
- Outstanding [Senior] Male Scholar in the School (Choate does not have a valedictorian rank officially) *Spring 2015*

**Standardized Testing:** SAT 1600, SAT Subject Tests: Physics 790 (freshman yr.), Chemistry 800, Math Level 2 800, 10 5s on AP examinations.
**Self Study:** Machine Learning (Coursera), Computer Vision (Stanford online), Offensive Computer Security (FSU Online)

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**EXPERIENCE:**

**Stanford Computer Vision Lab**, Internship. Machine learning specialist for a novel computer vision project. 17 in-lab presentations. Formal invitational lecture, poster presentation, and research manuscript at Choate *Summer 2014*

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**PROJECTS:**

- Tactile interface mp3 player prototype (Arduino) *Summer 2013*
- Adaptive, user configurable virtual reality glove (Arduino, python) *Fall 2014*
- Feed forward artificial neural network (Matlab, python) *Winter 2014*
- Convolutional neural network (Matlab) *Spring 2014*
- Machine Learning Course (now online) *Spring 2014*
- Novel recurrent neural network prototype (python) *Spring 2015*
- Custom water cooled desktop computer *Summer 2015*
- pImg: CLI python image editing library *Summer 2015*

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**Languages:** Native speaker of English, Spanish (fluent), Mandarin (proficient), proficient in python and Matlab, familiar with C++, Java, Arduino, C, x86 Assembly

**Technical/equipment:** Computer Security (C and web vulnerabilities), Linux, Windows, OSX, Git/Github, desktop computer assembly, basic electronics, LaTeX, Photoshop, Laser Cutter

**Interests:** Writing (published *A Walrus Tale* at age 14, 140+ pages into a novel), open source, squash, aikido