Matthew Asnes

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EDUCATION

Tufts University, Medford, MA Class of 2018
Pursuing Bachelor of Science (triple major) in Computer Science, Physics, and Mathematics; GPA: 3.45/4.00

Silver Lake Regional High School Class of 2014
Graduated Valedictorian of Silver Lake Regional High School Class of 2014 (Rank 1/271); GPA: 4.96/5.00

EXPERIENCE

Technical Intern at State Street Global Advisors — Summer 2016 – Present
Worked on a team to upgrade the company's portfolio of applications to be SHA-2 compliant.

Teaching Assistant for Machine Structure & Assembly Language Programming — Spring 2016

Freelance Graphic Design Work for Tufts University Chaplaincy — 2014-2015

Founding member of Silver Lake Regional High School FIRST Robotics Team — 2013-2014
Lead programmer, graphic designer, and webmaster for the robotics team. Team built robots for FIRST Robotics Competitions. Personally designed, built, and implemented website, programmed robot with cofounder.

SKILLS

Programming Languages

Proficient in C, C++, Java, Python, HTML/CSS, JavaScript, x86-64 Assembly, MIPS Assembly, Standard ML
Some experience with Mathematica, Julia, Scheme, MATLAB, C#, Visual Basic

Tools/Frameworks
Windows and UNIX/Linux OSes and command lines, Bash, Cygwin, git, Unity, NVIDIA CUDA, LaTeX, Arduino and other microcontrollers, Adobe Photoshop, Adobe Illustrator

C++: STL, CImg, libxml++

Java: Swing/awt, Weka

JavaScript: Three.js, Phaser

Python: Beautiful Soup, NumPy, matplotlib, TkInter

Languages
Working knowledge of Arabic and Latin

RELEVANT COURSEWORK

CURRETLY ENROLLED
Machine Learning, Algorithms, Quantum Theory, Electricity and Magnetism, Graphic Design I
COMPLETE
Data Structures, Machine Structure & Assembly Language Programming, Game Development, Discrete Mathematics, Object Oriented Programming for GUIs, Multivariable Calculus, Introduction to Modern Physics, Electronics, Programming Languages, Advanced Computer Architecture, Linear Algebra, Complex Variables, Thermal Physics, Solid State Physics

HONORS AND AWARDS

Tufts University Dean's List — *Fall 2014, Fall 2015*
National AP Scholar with Distinction — *2014*
President's Education Awards Program, Outstanding Academic Excellence — *2014*