

Zachary T. Zimmerman

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<http://oneman2feet.github.io>

EDUCATION	<i>Cornell University College of Engineering</i> B.S. in Computer Science – GPA: 4.0 / 4.3 Engineering Dean's List Fall 2013, Spring 2014 <i>Stuyvesant High School</i> Class of 2013 – GPA: 4.0	August 2013 - May 2017 (expected) September 2009 - June 2013
WORK EXPERIENCE	<i>Software Development – Bloomberg L.P.</i> <ul style="list-style-type: none">• Developed two full-scale data visualization widgets for use in the Bloomberg Terminal• Used HTML5 Canvas, Javascript, and RequireJS for the fastest possible visuals• Implemented polygon hit-testing, event-driven interactions, and data-model-world transforms <i>Web Development – V.I.A. Vintage Intelligence Agency</i> <ul style="list-style-type: none">• Developed a pair of highly customized and artistic websites for the fashion company• Optimized pre-loading of resources, implemented infinite scrolling, and utilized jQuery for animations• See http://suzannemccoyfitschen.com/ and http://viavtg.com/ for the full experience	June 2014 - August 2014 June 2012 - September 2014
PROJECTS (github.com/Oneman2feet)	<i>Sleepy Bob: Cornell Google Game Jam</i> <ul style="list-style-type: none">• Lead the 1st place team in this 24-hour hackathon, coded a sidescrolling sleep-themed game• Implemented parallax effects in Javascript and utilized Box2D.js for ragdoll simulation• Play a demo version at http://oneman2feet.github.io/sleepybob <i>Poem Generator: Presented at Google, NY</i> <ul style="list-style-type: none">• Developed a social poem-sharing site with built in poem generator using Python and Flask• Devised algorithms for generating sonnets, haikus, or poems in the style of famous poets• Implemented markov chains, rhyming, and counting syllables using <code>nltk</code> <i>StuyDash</i> <ul style="list-style-type: none">• Designed a school dashboard site incorporating bell schedule, weather, and current events• Screen-scraped information in Python using regex, displayed with a Javascript widget• Information also made accessible through texting and a phone hotline using the Twilio API	September 14, 2013 May 2013 - June 2013 November 2012
RELEVANT CLASSES	Computer Graphics, Digital Logic and Computer Organization Data Structures and Functional Programming, Discrete Mathematics Object Oriented Programming in Java, Visual Imaging in the Electronic Age	Fall 2014 Spring 2014 Fall 2013
SKILLS	<i>Programming Languages:</i> Javascript, Python, Java, OCaml, Scheme <i>Web Development:</i> Flask, HTML5, CSS3, Canvas, SVG, RequireJS, jQuery <i>Software:</i> Git, SVN, L ^A T _E X, MongoDB, Emacs, Inkscape	
ACTIVITIES	<i>Chai Notes A Cappella</i> Member of executive board holding the position of Graphic Designer (2014-2015) <i>Zero Robotics</i> Finalist in national robotics competition on the international space station Coded three-dimensional formation flight, spacecraft docking, and autonomous collaboration in C	January 2014 - present December 2010 - October 2012
INTERESTS	Speedcubing and Rubik's Cube puzzles, Bodyboarding and Surfing, Singing, Data Visualization, Design	