

# MAX NELSON

maxnelso@gmail.com ✖ (509) 991-2882 ✖ bitbucket.org/maxnelso ✖ github.com/maxnelso

## Current Address

5616 University Avenue, Apartment 9  
Seattle, WA 98105  
United States

## Permanent Address

16010 Medical Lake 4 Lakes Road  
Cheney, WA 99004  
United States

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## WORK EXPERIENCE

**NASA/Caltech's Jet Propulsion Laboratory, chatango.com, canyourecall.com** Pasadena, CA, Seattle, WA  
*Freelance Software Developer* Fall 2012 - Current

- Various responsibilities include full stack web development (back-end frameworks include node.js, Python Twisted, PHP Slim, front-end technologies include Google Closure and HTML5) and C++ graphics engine development

## MIT

*Teaching Assistant*

Cambridge, MA

Fall 2012

- Assistant for 6.00, Introduction to Computer Programming. Responsibilities include teaching recitations, grading assignments, and modifying problem sets

## VMWare

*Software Engineering Intern*

Palo Alto, CA

Summer 2011

- Automated testbed setup mechanism for VIM Storage QA Team (updating and creating ESX and vCenter virtual machines)
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## EDUCATION

### Massachusetts Institute of Technology

*M.Eng in Computer Science and Engineering*

Thesis: A new parallel algorithm for the Boolean satisfiability problem (k-SAT), under the supervision of Prof. Armando Solar-Lezama

Cambridge, MA

June 2013

### Massachusetts Institute of Technology

*B.S. in Computer Science and Engineering*

GPA: 4.8/5.0

Cambridge, MA

June 2012

Activities: MIT Men's Varsity Tennis Team, MIT Starleague, MIT CTF Cyberdefense Competition, MIT Battlecode

### Medical Lake High School

*Valedictorian of Medical Lake High School Class of 2008*

GPA: 4.0/4.0

Medical Lake, WA

June 2008

Activities: MLHS Men's Varsity Tennis, Knowledge Bowl, Tutor, Wind Ensemble, Jazz Band

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## PROJECTS

### MIT Battlecode (AI Programming Competition)

*2011 Participant, 2013 Participant, 2014 8th Place*

Cambridge, MA

Winter 2011, 2013, 2014

- Designed and implemented a bot that played a real time strategy game against other teams
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## SKILLS

Proficient in programming in C++, C, Python, Java, HTML/CSS, JavaScript, MIT Scheme (Lisp dialect) familiarity with Ruby, PHP, and typesetting in L<sup>A</sup>T<sub>E</sub>X, experience with node.js, Twisted, Flask, Slim, and Google Closure web frameworks, SDL, Cocos2d-x, Box2D game frameworks, Mercurial, git, SVN, Perforce version control systems, Android mobile development, Apache web server administration, Linux/MacOS/Windows development environments