

# Nelson Liu

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[nelsonliu.me](http://nelsonliu.me)



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[quora.com/nelson-liu](https://quora.com/nelson-liu)

## Education

### Troy High School, Fullerton, CA

- AP Courses: Computer Science, English , US History, Biology, Physics B, Calculus AB /BC, Economics, Government, Literature
- Ilium (Yearbook) Photo Editor (2012-2014)
- Computer Science Club Secretary (2012-2014)

September 2011 - May 2015  
(expected)

## Experience

### InfoLab Group, MIT CSAIL, Cambridge, MA

Research Intern

June 2013 - August 2014

- Worked with the START Natural Language Processing System and its backend, Omnibase.
  - Updated obsolete uses of HTML base tags in scraping scripts.
  - Wrote Scheme scripts to scrape JPL and U.S. Election Atlas data.
  - Added scraped data to the Omnibase backend.

### Keller Lab, UCSB Bren School of Environmental Science, Santa Barbara, CA

Research Intern

June 2014-July 2014

- Developed models to predict hydraulic fracture propagation in porous shale formations.

### BitStation - [bitstation.herokuapp.com](https://bitstation.herokuapp.com)

Co-Founder & Developer

June 2014-August 2014

- Developed a MIT Kerberos - integrated Bitcoin wallet.
- Added social transactions publicly available across the BitStation network.
- Recipient of MIT BitComp 2014 "Improving MIT Award" for project with the greatest potential to improve student life at MIT.

## Honors and Awards

- Part One / Part Two Winner, IBM Master the Mainframe Competition 2013
- Second Prize, Troy High School Dave Wittry Memorial Programming Competition 2013
- Second Prize, Geologic Mapping, Science Olympiad National Tournament 2013
- Second Prize, Codes and Algorithms, SoCal Science Olympiad State Tournament 2014
- First Prize, Rocks and Minerals / Geologic Mapping, Troy Science Olympiad Invitational 2014
- Winner, "Improving MIT Award", MIT BitComp 2014
- National Merit Commended Scholar 2014

## Skills

**Languages:** Java, Python, JavaScript, HTML, CSS, Scheme, BASH, Git, SVN.

**Platforms:** Windows, OS X, \*nix, Eclipse.

**Editor of Choice:** Generally Not Used Editor Makes All Computing Simple (GNU EMACS).

**Miscellaneous:** Passion, enthusiasm, appreciation of deep conversation, bad humor.