



# Samuel Thomas

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## Resumé

### Education

- 2016–Present **B.S., Cornell University, Ithaca, Grade.**  
Major: Computer Science, Minor: Linguistics
- 2012–2016 **High School Diploma, John Marshall HS, Los Angeles, GPA 4.071.**  
Graduated with High Honors

### Experience

- 2013–Present **LAPTAG Plasma Physics Lab, UCLA.**  
A Laboratory where High School students work with UCLA professors on plasma physics research.  
<http://plasmalab.pbworks.com/>
- Conducted experiments on Bernstein waves, drift waves, and whistler waves
    - Data analysis lead
    - Constructed probes and other equipment needed for experiments
  - Co-authored paper on our drift wave research (Drift waves and chaos in a LAPTAG plasma physics experiment)
  - Presented results from drift wave experiments at American Association of Physics Teachers Conference in 2014 in Long Beach and American Physical Society 2015 Conference in Savannah.
- 2016–2017 **Math Tutor.**  
Tutored students in Calculus through a program set up by my Math instructor. Private Math tutoring in pre-algebra.
- Aug–Dec 2013–2016 **Cross Country, John Marshall HS, Los Angeles.**
- Jan–Jun 2012–2016 **Swim Team, John Marshall HS, Los Angeles.**  
Captain for two years and led team to become League Champions both years.

### Computer skills

- Programming Languages Python, Java, Vala, OCaml, C++, C, Assembly, Javascript, HTML, CSS, SQL
- Computer Programs Word, Powerpoint, Excel, Inkscape, IDL, Data Analysis/Manipulation with Python