

Maxwell Bernstein

203 632 9401 • max@bernsteinbear.com • github.com/tekknolagi • photos.bernsteinbear.com

Education

Tufts University (Class of 2018), *Cumulative GPA: 3.83*

Relevant Coursework

- COMP 15 Data Structures: **A**
- COMP 61 Discrete Mathematics: **A**

Relevant Projects

- fast song search database (C++)

Palo Alto High School (Class of 2014)

Experience

Engineering Intern, Center for Educational Research at Stanford (Summer 2014)

- Worked on the SMILE learning application using Node.js and Backbone.js.
- Designed an open source hardware version of the SMILE plug computer.

Web Team Captain, FIRST Team 8 (2013-2014) and *Programming Team Co-Captain, FIRST Team 8* (2010-2012)

- Taught the robotics web team how to design, construct, and maintain the team's website using Jekyll, YAML, Markdown, HTML, CSS, and JS.
- Created a dynamic newsfeed that the robotics team website polls using Ruby/Sinatra and PostgreSQL.
- Held lectures about shell basics, Emacs basics, and C and C++.
- Coached the team in building an object tracking system using OpenCV, OpenGL, and a Kinect. With that, the robot could appropriately position itself for shooting basketballs into baskets from the field.

Engineering Intern, MashLogic (Summer 2012)

- Worked on the Britely application using Ruby on Rails and MongoDB.
- Created a feature that allowed the user to select images from various social media sources.
- Some sources did not have an API, so I wrote a content scraper with Nokogiri.

Skills

Programming Languages

C, C++, Ruby, PHP, JS, Python, Java

Other

- Linux systems administration (including web and database servers, disks, filesystems, troubleshooting, scheduling, package management, resource management, basic networking, and backups)
- Digital and film photography
- Road biking

Scores and Academic Achievements

AP Computer Science: **5**

AP Calculus BC: **5**

AP Macroeconomics: **5**

SAT II Math II: **800**

ACT: **34**

National Merit Scholar

AP Scholar with Distinction

References

- Noah Freedman, Senior SMILE Developer, CERAS - noahfreedman@stanford.edu
- Chris Kuszmaul, Computer Science teacher and former mentor, FIRST Team 8 - fyodor@alum.mit.edu
- Kartik Agaram, Software Engineer, Google - ak@akkartik.com

More references available upon request.