Marcella Hastings

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Education

Tufts University, Medford, MA
Bachelor of Science in Computer Science, Math (May 2015)
GPA 3.63, Dean's List 2011, 2012, 2013
Relevant Coursework: Programming Languages, Computational Biology, Machine Structure &
Assembly Level Programming, Cryptography, Real Analysis, Algorithms *(in progress)*, Advanced
Functional Programming Seminar *(in progress)*

Experience

Google, New York City, NY
Engineering Practicum Intern (May 2013 - August 2013)
- Worked with a partner and two mentors to develop a saving filters feature for the
  DoubleClick for Publishers team.
- Created the client-facing interface for the feature and implemented saving functionality in
  Java.

Tufts University, Medford, MA
Teaching Assistant (September 2012 - present)
- Taught hands-on programming labs to introductory CS students
- Held regular office hours to provide one-on-one assistance with programming projects

Brain State Technologies, Bloomington, MN
Intern, Software Division (August 2012)
- Worked with a mentor to develop applications to assist in the retrieval, inspection, and
  update of XML based signal processing flow designs.
- Define XML schema to bind application configuration parameters to Java objects (using
  Apache XMLBeans)

Intern/Senior Project, Software Divison (May 2011)
- Worked with a small team to develop an up-sampling filter for proprietary signal processing
  flow engine to align signal data from sources with varying sample rates

Hackathons

Looper: Place different sounds around a circle to create musical loops that can be connected,
harmonized, or turned into noisemakers. Wrote a web app to play with HTML5 Canvas and
Javascript. HackingArts, Sept 2013

Balls of Fury: Need to find out who is the reigning office ping-pong champion? Upload your
scores from this Android app and check out the Elo rankings online to see how you stack up.
Developed app and logos. University Hacker Olympics, Sept 2013

Nimbus: Tired of wrangling cloud storage? Nimbus stripes files across all of your storage accounts so you don't have to worry about distributing them. Created a unified interface for storage
APIs. PennApps, Sept 2013

Skills

Languages: C/C++, Java, Python, some Standard ML, Javascript, Haskell, Scheme, XML, HTML/CSS
Tools: LaTeX, git, OS X, Unix/Linux, AutoCAD 2012
Github: github.com/marsella

Leadership

Association of Computing Machinery, *president*, Tufts Orthodox Christian Fellowship, *president*,
Tufts Hackathon, *organizer*