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

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: There is a unique path around every circle. Place different sounds around that circle to create musical loops that can be connected, harmonized, or turned into noisemakers. HackingArts, Sept 2013

Balls of Fury: Need to figure out who is the reigning office ping-pong champion? Upload your scores from this Android app and check out the Elo rankings on the web app to see how you compare. University Hacker Olympics, Sept 2013

Nimbus: Tired of wrangling your cloud storage? Nimbus distributes your files across all of your storage sites, so you don't have to worry about distributing them. PennApps, Sept 2013

TapItOut: Developed the front end of a native Android app that allows peer-to-peer money transfer using NFC technology. University Hacker Olympics, Jan 2013

Skills

Languages: C/C++, Java, Python, some Standard ML, Javascript, Haskell, Scheme, XML, HTML/CSS
Github: github.com/marsella

Leadership

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