Jessie Mueller

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Education	**Massachusetts Institute of Technology**	Cambridge, MA

Education

Massachusetts Institute of Technology   Cambridge, MA
Bachelor of Science in Electrical Engineering and Computer Science.   June 2011
Candidate for Master of Engineering in Electrical Engineering and Computer Science.   June 2012

Relevant Courses: Robotics, Computer Systems, Software Construction, Algorithms, Databases, User Interfaces, and Computer Security. **GPA**: **4.6**/5.0

Experience

Center for Educational Computing Initiatives, MIT Research Assistant   Cambridge, MA
September 2010 – Present
- Specified **database interaction** for Classroom Learning Partner, a **tablet based electronic notebook**, allowing a diverse and varying set of objects to be stored.
- Prototyped a **web interface** for accessing notebooks without tablets and graphically displaying student participation.

Endeca, Research Intern   Cambridge, MA
May – July 2011
- Wrote a **C++ module** for incorporating guided navigation selections in distributed query evaluation in support of team's 4x product speed-up goal.
- Devised and performed experiments to **correct** a long-blocking **timing bug** that invalidated performance measures.

User Interfaces Class, Student   Cambridge, MA
February – May 2011
- Prototyped, implemented and tested a web app written in **django** and **javascript** for tracking food purchases, spending and recipes.

Qualcomm: CDMA Technologies Intern   San Diego, CA
June – August 2010
- Collected and compiled modules for **modem software integration**.
- **Identified** critical faults in software modules and communicated with teams to **coordinate patches.**

Computer Systems Class, Student   Cambridge, MA
February – May 2010
- Specified a grid based **server system** for **real time collaborative text editing**. Analysis demonstrated replication consistency, undisruptive server recovery, competitive performance, and scalability.

Boston Scientific: Cardiac Rhythm Management, Software Engineering Intern   St. Paul, MN
June – August 2009
- Developed and implemented a **Regression Testing tool in C#** for the Latitude Remote Patient Management System that was projected to save **$200,000** per testing group per year and is based on a set of **diverse testing requirements**.
- **Directed** interaction of four intern projects leading to the production of a powerful and **dynamic test running system**.

Skills   **Proficient in Java**, **Python, C++, HTML.** Basic with MATLAB, CSS, PHP, Django, C#.

Leadership   **President** of Alpha Epsilon Phi Sorority at MIT, 2 years.

Interests   Cake Decorating**,** Cooking**,** Glass Blowing**,** Balloon Animal Making**,** Soccer.