Marissa A. Mocenigo
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SOFTWARE SYSTEMS & PROGRAMMING LANGUAGES

- Proficient in C, C++ (with QT), Scheme, Java, Python, Cilk, LaTeX, CSS, and HTML.
- Extensive experience with Microsoft Office Suite, Adobe Creative Suite, Open Office, Make, Eclipse, and Emacs.
- Experienced with Windows, Macintosh, and Linux operating systems.

PROFESSIONAL EXPERIENCE

Assistant Staff July 2011 - Present
MIT Lincoln Laboratory, Lexington, MA

- Primary QT developer on radar software suite.
- Worked with large data sets for real-time radar systems.
- Interviewer and recruiter for Bryn Mawr College and the Grace Hopper Conference for Women in Computing.

Lead Support Technician August 2010 – May 2011
Bryn Mawr College, Bryn Mawr, PA

- Led training sessions for new student employees.
- Oversaw student employees on fieldwork.

Computer Science Major Representative August 2009 – May 2011
Bryn Mawr College, Bryn Mawr, PA

- Organized group events for Computer Science students.
- Coached prospective Computer Science majors.

Teaching Assistant January 2009 – May 2011
Bryn Mawr College, Bryn Mawr, PA

- Promoted interest in the major and the department.
- Programming assistance for Intro to Computing, Data Structures, and Discrete Mathematics.
- Graded programming assignments for Discrete Mathematics.

Student Support Technician June 2008 – May 2011
Bryn Mawr College, Bryn Mawr, PA

- Assisted with general campus-wide IT support to students, faculty, and staff.
- Repaired and replaced computer hardware.
- Provided troubleshooting and general computer assistance.

EDUCATION

Bryn Mawr College — *Bryn Mawr, PA*
Major: Computer Science — A.B., May 2011
Minor: Mathematics — Major G.P.A. 3.7/4.0

University of London, King's College London — *London, UK*
Physical Science and Engineering — Study Abroad, Spring 2010

RELEVANT COURSEWORK

Principles of Programming Paradigms (C & Unix) • Information and Coding Theory • Principles of Programming Languages • Computer Organization • Computer Graphics • Cognitive Science • Operating Systems and Concurrency • Programming Applications • Linear Circuits • Linear Algebra • Discrete Mathematics • Applied Mathematics I • Abstract Algebra I • Advanced C++ • Computer Architecture: Principles and Practices

RESEARCH EXPERIENCE

Undergraduate Thesis, Bryn Mawr College — Fall 2010 – Spring 2011

- Independent project in data visualization and data mining.
- Research to culminate in an undergraduate thesis.

DREU, Washington University in St. Louis — Summer 2010

- Modified amortized time algorithms to run efficiently in parallel.
- Funded by the Computing Research Association for Women.

Independent Study, Bryn Mawr College — Fall 2009

- Continued summer research.
- Enhanced design of 3D creatures and built a strong base class.
- Began to develop "reproduction" algorithm for combining two creatures.

Research Fellowship, Bryn Mawr College — Summer 2009

- Developed 3D creatures in Java to use in the visualization of data.
- Funded by Bryn Mawr College with support from the Howard Hughes Medical Institute.