

Timothy Cameron Ryan

EDUCATION

Franklin W. Olin College of Engineering, Needham, MA

May 2013

Candidate for Bachelor of Engineering; Concentration in Computing, GPA available May 2011

- Received 4-year, full-tuition Olin Scholarship
- Coursework: Introduction to Modeling Control Systems, Introduction to Mechanical Design: Design Nature, Modeling and Simulation of the Physical World, Creative Writing.

Malden Catholic High School, Malden MA

May 2009

SKILLS

- Programming/Markup languages: PHP, JavaScript, ActionScript, Flex, C++, Java, Ruby, HTML/XML, CSS, XUL
- Modeling in SolidWorks, MATLAB, L^AT_EX; Experience with Word, Excel, PowerPoint, Photoshop, Illustrator

SKILLS WITH RELATED EXPERIENCE

Open Source Programming

Independent Projects

- Released *FlashCanvas*, a seamless implementation layer for the HTML 5 Canvas API in Flash for Internet Explorer, encouraging the use of developing standards on the Web (2009)
- Released an open-source Java parser and interpreter for ActionScript and JavaScript platforms (2008 – 09)
- Developed JavaScript libraries to implement advanced DOM standards in Internet Explorer and developing CSS3 features in current browsers (2008–09)
- Authored a REST development framework and site backend for PHP 5 (2006–09)

Web Development Experience

- Honorary Member of *sketchPatch* Team, a collaborative website leveraging programming in the Processing language as art and an educational tool (2008–2009)
- Updated and maintained the website for the non-profit organization *Chinese Culture Connection* (2007–08)
- Designed and coded the website for the *The Power of One Through Film Foundation*, a non-profit educational film organization in Malden, MA (2006)
- Designed the Melrose Massachusetts Television (MMTV) website and content management system (2005–07)

Receptionist — Immaculate Conception Parish, Malden, MA

June 2005 – June 2009

- Assisted priests and parishioners with variety of services; provided information and support

LEADERSHIP & SERVICE

- Eagle Scout — Project involved creating an archival DVD history of a local Church for its parishioners; led a group of 20 volunteers in performing and videotaping interviews (December 2008)
- *Catholic Heart Work Camp* Volunteer — Repaired homes for elderly citizens in low-income neighborhoods near Groton, transported patients at Seven Hills Pediatric Nursing Home at annual community service trip (2007–2009)
- Youth Group Peer Leader — Organized Confirmation Retreats for sophomores, coordinated fundraising and community service events, and led weekly meetings (2006–09)

AWARDS & RECOGNITION

- National Merit Scholar Semifinalist (2008)
- National Spanish Exam Gold Medalist (2008)
- Rensselaer Book Award for Excellence in Mathematics and Science (2008)
- National Honor Society Member of the Xaverian Brothers Chapter (2007–2009)