

RAOUL VEROY
rveroy@cs.tufts.edu (857) 869-9218

EDUCATION

Tufts University, Medford, MA
Ph.D. candidate, Computer Science

The Ohio State University, Columbus, OH
Master of Science, Computer and Information Science

Ateneo de Manila University, Manila, Philippines
Bachelor of Science, Mathematics and Management Engineering

SKILLS

Proficient with C/C++, Java and Python. Familiar with Scala, C#, and Haskell. Experienced with Datalog, Storm and Cassandra.

EXPERIENCE

Graduate Teaching/Research Assistant, **Tufts University**, September 2010 to present

- Current research focuses on developing new tools and techniques to help programmers understand and write better software. Currently working on understanding Java heaps by studying the OpenJDK Hotspot Java virtual machine.
- Teaching Assistant for courses on Operating Systems, Theory of Computation, Machine Structure and Assembly-Language Programming, and Discrete Mathematics.

Software Engineer, Intern, **Red Hat**, Westford, MA USA, May 2015 to August 2015

- Analyzed performance of new OpenJDK 9 garbage collector, Shenandoah. Contributed several bugfixes to Hotspot virtual machine.

Software Engineer, Intern, **Twitter** Cambridge, MA USA, May 2014 to August 2014

- Developed real-time alerts system for Answers by Crashlytics, a customer facing product that processes customer data and sends alerts to customers. The system was implemented using Storm, Cassandra and Beanstalkd.

Software Engineer, **Software of Excellence**, Auckland, New Zealand, March 2010 to July 2010

- Researched and developed an image viewer to display and manipulate DICOM images.

Software Engineer, **Navman Technology**, Auckland, New Zealand, October 2008 to March 2010

- Developed new product features and maintained existing code on the Mapcore navigation and Map toolchain software.
- Designed and implemented the tool suite written in Python to convert Navman map data in XML format to the Nuance automatic speech recognition format.

Consultant - C++ Developer, **Headstrong Philippines**, October 2006 to January 2008

- Implemented new features and bug fixes on the Finalist address cleansing product as part of the offshore development team.

Software Engineer, **EMC Corporation**, Hopkinton, MA USA, February 2000 to April 2006

- Implemented new features and bug fixes for the Enginuity Operating System that runs on the EMC Symmetrix Product line.
- Designed and implemented significant parts of the SymmetrixFS API.