

Wesley James Ripley

- Objective:** To obtain a paid summer internship in Computer Science
- Education:** Bachelor of Science in Computer Science, Minor in Physics. May 2013, GPA: 3.84/4.0
Worcester Polytechnic Institute, Worcester MA
- Related Courses:** Accelerated Intro to Program Design, Object Oriented Program Design, System Programming Concepts, Operating Systems, Algorithms, Computer Networks, Foundations of Computer Science, Software Engineering, Object Oriented Analysis and Design
- Related Experiences:**
- Senior Assistant**, CS Department, WPI, 08/11-present
Help professors and students in various CS classes by holding office hours, leading labs, helping in lectures, and grading exams. Also known as an undergraduate TA.
 - Software Developer**, SoftArtisans, Watertown MA, 05/11-08/11
As part of a Scrum team implemented features for the company's 8.0 release of ExcelWriter, an API for programmatically generating Excel documents without the need for Excel. Wrote, tested, and reviewed production code.
 - Software Developer**, Applied Software Inc, Burtonsville MD, 07/08-11/09, 05/10-08/10
Programmed in Visual Fox Pro adding features to production code. Fixed and expanded on a cancer risk model implementation. Implemented a graphical internal tool for managing databases and a dynamically drawn GUI from a recursive data structure.
 - Aid to the Network Administrator**, Springbrook High School, Silver Spring MD, 2008–2009
Helped troubleshoot network issues from hardware failures, to problems in the configuration or software. Learned about how the school servers and network work.
 - National Space Club Scholars Intern**, NASA, Greenbelt MD, 06/08-08/08
Updated the NASA Eclipse Webpage adding to pages on eclipse history using basic HTML. Generated eclipse diagrams using software written in Pascal for use in papers and on the website. Programmed in Fortran integrating existing planetary position software.
- Skills:**
- Operating Systems:** Microsoft, Apple, Unix, and Android
 - Programming Languages:** C#, Java, Scheme, C, C++, Visual Fox Pro, Lua, XML, and HTML
 - Software:** Eclipse, Visual Studio, WindowBuilder, Visual Paradigm, and Microsoft Office
 - Other:** Git, SVN, Hudson, JUnit, NUnit, Scrum, Test-Driven Development, Mobile Apps
- Project Experience:**
- Junior Interactive Qualifying Project (IQP)**, Venice Italy 10/11-12/11
Developed an Android application to allow citizens of Venice to record noise data. This data is uploaded to an online database and displayed on a map to make it easy to view the data. Also took our own noise measurements for validation. See www.venicenoise.org
 - Software Engineering**, WPI, 03/11-05/11
Worked on a team of 12 students implementing a chat client inside an existing large software project in a 7-week term. Designed our own UI using Java Swing. Implemented our own IRC backend client to interface with an existing IRC server. Won the award for best product in the class.
 - Great Problems Seminar: Power the World**, WPI, 08/09-12/09
Served as a Project Leader on a team of four by keeping team members on track, organizing meetings, and managing the Bibliography as well as helping with project tasks. Researched the feasibility of Wireless Electricity through magnetic resonance coupling for use to power the Silver Line Bus system in Boston.
- Activities:**
- WPI Pep Band Membership Coordinator and Webmaster**, WPI, 03/10-present
 - Eagle Scout**, Boy Scouts of America, 2007