Zachary M. **Wimer**

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Objective

To obtain a Ph.D. in the field of Computer Science.

Education

Rensselaer Polytechnic Institute (RPI)   **GPA: 4.0**

Sept. 2014 - PRESENT

MASTER OF SCIENCE: COMPUTER SCIENCE
BACHELOR OF SCIENCE (DUAL MAJOR): COMPUTER SCIENCE / COMPUTATIONAL MATHEMATICS
MINOR: ECONOMICS

Experience

Private	**Tutor**, Calculus, Data structures, C++ basics		*Aug. 2013-PRESENT*
RPI	**Mentor**, RCOS		*Jan. 2017-PRESENT*
Lutron	**Co-op**, Computer Science		*May 2017-July 2017*
RPI	**Undergraduate TA (x2)**, Foundations of Computer Science		*Aug. 2015-Dec. 2015*
RPI	**Undergraduate TA**, Data Structures		*Jan. 2015-May 2015*

Skills

Programming Languages
Advanced: C, C++, Java, Python
Proficient: MatLab, Racket(Scheme), Prolog, Bash, Latex, AppleScript
Basics: x86, x64, mips, tal, html fish, CMake, Javascript
Exposure to: Rust, R, Mongo, qmake, Fortran, php, Maple, plant UML

General
- Well developed commenting style
- Learning C++ template meta programming and Rust
- Basic conversational Spanish

External Libraries: Boost, QT

Projects

C++, Doxygen	**ZNC SelfMsg**, A ZNC module that allows all clients self message capability	*Aug. 2017-Dec. 2017*
C++, QT	**CAPP-Reporter**, A functional CAPP Reporter that works for RPI single and <u>dual</u> majors: RCOS.io/projects/zwimer/capp-reporter/profile	*Aug. 2016-Jan. 2017*
C++, Boost, CMake, QT	**Pi-File-Server, Pi-File-Client**, A simple file server and client for a Raspberry Pi	*Oct. 2016-Oct. 2016*
C++, QT	**AirCombat**, A computer game built to teach myself QT	*Oct. 2016-Dec. 2015*
Java	**RPI-Campus-Paths**, A shortest path finder with GUI for the RPI Troy Campus	*Aug. 2015-Dec. 2015*

Unique Courses

RPI	**Modern Binary Exploitation**, Learned how to write safe and <u>secure</u> code and how to pwn.	*Jan. 2017-Dec. 2017*
RPI	**Numerical Linear Algebra with Applications**, Learned how to solve L.A. problems numerically.	*Jan. 2017-Dec. 2017*
RPI	**Networking Laboratory**, Cisco provided course that taught the fundamentals of networking.	*Aug. 2016-Dec. 2016*

Activities

RPI	**Member**, Upsilon Pi Epsilon	*Oct. 2016-PRESENT*
RPI	**Member**, Pi Mu Epsilon	*Feb. 2017-PRESENT*
RPI	**Member / Core**, RpiSec	*Jan. 2016-PRESENT*
RPI	**Mentor / Member**, Rensselaer Center for Open Source	*Jan. 2017-PRESENT*

Honors & Awards

RPI	**Member**, Dean's Honor List	*2014-PRESENT*
RPI	**Recipient**, Received Leadership Scholarship	*2014-PRESENT*
RPI	**Member**, CS honor society	*2016-PRESENT*
RPI	**Member**, Math honor society	*2017-PRESENT*
RPI	**Recipient**, RPI's 4.0 Award	*2016, 2017*
RPI	**Recipient**, RPI's Founders Award of Excellence	*2017*