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# Ian Adam Naval

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## **OBJECTIVE:**

To make a difference this summer.

## **EDUCATION:**

**Worcester Polytechnic Institute, (WPI), Worcester, MA**  
Bachelor of Science in Computer Science, GPA 3.8, May 2015

**Related Coursework:** AP Computer Science, AP Statistics, Accelerated Introduction to Program Design, Systems Programming Concepts, Linear Algebra, Discrete Mathematics, Algorithms, Probability, Computer Networks

## **PROJECTS AND EXPERIENCE:**

### **Quantitative Software Engineer, AdHarmonics, Inc., Cambridge, MA, May 2013 - Present**

Created and improved various Search Engine Marketing (SEM) automated tools in Python. Designed and implemented modular system to monitor core infrastructure status. Improved git workflow for SEM developer team. Helped build infrastructure for real-time bidding with display advertising. Worked as intern over summer; currently working part-time.

### **Programmer, WPI Information Security, Worcester, MA, August 2012 - April 2013**

Designed and developed Web-based tool in Django for consolidating university information security policies. Wrote a simple Python GUI displaying network statistics and security camera feeds. Developed scalable system to automate Nessus vulnerability scanning for campus network. Assisted with light system administration duties.

### **Independent Project: Stormwood, Los Angeles, CA, July 2012**

Set up and maintained technical aspects of running a Minecraft game server. Configured Apache, wrote backup scripts, developed and maintained website, documented technical process. Developed custom Java plugins for game. Dealt with player tickets and resolve issues. Trained colleague to manage and run server.

### **MathHammer 40k, Los Angeles, CA, May 2012 - Present**

Created Android app for individual client. Developed in Eclipse using mathematical calculations to approximate the chance of success in a game of Warhammer 40k given statistical input information in an easy-to-use interface.

## **SKILLS:**

**Programming Languages:** Python, Java, HTML, CSS, Javascript, PHP, SQL, C++, C, Ruby, Racket, Go

**Tools:** Sublime Text 3, vim, PyCharm, Eclipse, NetBeans, git, MS Office, LibreOffice

## **ACTIVITIES:**

**Member**, Women in Computer Science, organization to encourage more women in CS, WPI, Jan. 2013 - Present

**Member**, Northeast Regional Collegiate Cyber Defense Competition, competitive team, WPI, Oct. 2012 - Present

**System Administrator**, Association for Computing Machinery, professional society, WPI, Sep. 2012 - Present

**Lead Programmer/Founding Member**, FIRST Robotics Team 3120, school club, NDHS, Aug. 2010 - June 2012

## **AWARDS:**

WPI Dean's List 2012-2013, Charles O. Thompson Scholar, Carl Abato 2012 Math/Science Award, 2012 Holy Cross Academic Award for Computer Studies, 2011 Xerox Award for Innovation and Information Technology