

NICHOLAS S. BRADFORD

School Address:

Box #1772, 100 Institute Road
Worcester, MA 01609

www.linkedin.com/in/nsbradford

nsbradford@wpi.edu
781-439-2953

Permanent Address:

9 Essex Street
Reading, MA 01867

OBJECTIVE

Attain a summer internship related to computer science.

EDUCATION**Worcester Polytechnic Institute (WPI), Worcester, MA**

Bachelor of Science in Computer Science,

Bachelor of Science in Robotics Engineering: GPA 3.51/4.0, May 2017

Reading Memorial High School (RMHS), Reading, MA

High School Diploma: GPA 3.70/4.0 June 2013

Related Coursework:

Software Engineering*, Object-Oriented Programming, Systems Programming,
Computer Networks, Robotics II: Sensing, Digital Circuit Design, Control Engineering*.

EXPERIENCE**Software Intern, Jacobs TEIMS, NH**

May 2014-Present

—Worked as part of a team of 20 to produce mission planning software for a military aircraft, focusing on converting data into a useful summary format for pilots.

—Developed and reviewed code in C++ and C# using Visual Studio and TFS.

Crew Member, Dunkin' Donuts, MA

Apr 2013-Aug 2013

Head Soccer Coach, Hope Christian Church - Sports Camp, MA

July 2013

USSF Grade 8 Referee, Reading United Soccer Club, MA

June 2007-Dec 2010

Tech Team Member (Volunteer), Hope Christian Church, MA

June 2008-Aug 2013

SKILLS**Programming:** (Proficient) C/C++, C#, Java

(Familiar) Python, HTML, CSS, Arduino, MATLAB*

Applications: Visual Studio, Eclipse, Microsoft Office

PROJECTS**Unified Robotics II: Sensing, WPI**

Oct 2014-Dec 2014

—Worked on a team of 4 to build a robot to autonomously find and extinguish a fire in a maze.

—Fully programmed the robot including: ultrasonic range finders, infrared flame sensors, light sensors, encoders, an LCD display, a gyroscope, and 4-wheel tank drive.

WPI-CMU DARPA Robotics Challenge Team, WPI

Feb 2014-May 2014

—Researched human-level performance capabilities for the ATLAS robot.

—Assisted running tests, building trial environments, and otherwise working around the lab.

FIRST Robotics Competition, Team 4761, RMHS

Sept 2012-May 2013

—Served as Accessory Team Leader, which involved contributing to the robot's design and directing the construction of the robot's scoring mechanism (a Frisbee launcher).

—The team received the Rookie All-Star and Highest Rookie Seed awards at Boston Regional Competition, and was invited to the FIRST World Championship in St. Louis.

LEADERSHIP**Treasurer, Investing Association, WPI**

Feb 2015-Present

Interim Webmaster, Student Government Association (Finances)

Feb 2015-Mar 2015

Emerging Leaders Program, WPI

Oct 2014-Dec 2014

ACTIVITIES**Phi Kappa Theta Fraternity, WPI**

Sept 2014-Present

Entrepreneurship Club, WPI

Sept 2014-Present

Club Soccer Team, WPI

Sept 2013-Present

AWARDS**Dean's List (Fall Semester), WPI**

Jan 2014

Marshall/Chavez/Means Merit Scholar, WPI

Feb 2013

**Coursework to be completed by May 2015.*