

MATTHEW IANNUCCI

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OBJECTIVE

To pursue a career as an engineer with a focus on software development.

EDUCATION

University of Rhode Island, Kingston, RI *Expected May 2014*
Ocean Engineering major with a focus in software development, and robotics

EXPERIENCE

Engineering Intern, Navatek Ltd. *South Kingstown, RI* *January 2014 - Present*

- Collaborate with engineers to update geometry processing software using C++
- Gain graphical programming experience by using the OpenNURBS C++ Library to manipulate 3D objects

Software Developer, Co-Captain, URI Autonomous Surface Vehicle Team *December 2012 - Present*

- Member and leader of the development team tasked with creating a completely autonomous boat that navigates a buoy course and performs various tasks
- Developed software outlining machine behavior that utilized real-time sensor data
- Responsible for hardware abstraction through Python and C++ programming
- Competed at the 2013 AUVSI RoboBoat competition in Virginia Beach

Marine Research Assistant, GSO Equipment Development Lab, *URI* *October 2013 - December 2013*

- Manage and optimize computer systems for use in marine research applications
- Test instrumentation equipment during active development

Undergraduate Research Assistant, Dr. Harold Vincent III, *URI* *March 2013 - August 2013*

- Assisted in a study conducted by the University of Rhode Island College of Environment and Life Sciences and Rhode Island Department of Energy to measure the acoustic impact of wind turbines
- Specifically, measurement and analysis of the sound of the turbines using various instruments and acoustic measurements

Server, Catarina's Italian Village Restaurant, *Narragansett, RI* *May 2008 - Present*

- Started in 2008 as a dishwasher and worked up to becoming a server

PROJECTS

Developer, Embedded Wireless Bridge Sensor Development, *URI* *Present*

- Team member developing a wireless sensor for bridge health monitoring, specifically the Newport Bridge and the Rhode Island Bridge and Turnpike Authority
- Charged with developing embedded software and coordinating time synchronization between multiple network connected sensors.

Principal, Surf for a Wish Surfing Competition *Narragansett, RI* *April 2010*

- Created, organized and ran a surfing competition at Narragansett Town Beach to benefit the Make-A-Wish Foundation
- Raised over \$1,500 for the Make-A-Wish Foundation of Rhode Island

RELEVANT SKILLS

Programming: Python, C++, C, Java, LCM, Matlab, Bash, Visual Basic, HTML, CSS, SQL

Platforms: Linux, Android, Windows, Web

Programs: Matlab, Rhino, OpenNURBS, SolidWorks, Microsoft Office, Adobe Creative Suite