

# MATTHEW IANNUCCI

42 Horizon Drive  
Saunderstown, RI 02874  
mpiannucci@gmail.com  
(401) 741-1666

## OBJECTIVE

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

## EDUCATION

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

## EXPERIENCE

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**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

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**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

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

**Platforms:** Linux, Android, Windows, Web

**Programs:** Matlab, TinyCAD, SolidWorks, Microsoft Office, Adobe Creative Suite