

MATTHEW IANNUCCI

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OBJECTIVE

To pursue a career as an ocean engineer with a focus on computer systems and software development

EDUCATION

University of Rhode Island

Ocean Engineering major with a focus in computer systems and robotics

Expected May 2014

EXPERIENCE

Marine Research Assistant, GSO Equipment Development Lab, URI

October 2013 - Present

- Manage and optimize computer systems for use in marine research applications
- Develop embedded software for ocean instrumentation and data collection applications

Co-Captain, Software Developer, 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
- Responsible for embedded software development, utilizing microcontrollers, and interfacing sensors.
- Gained practical C++/C and Python experience and learned important software architecture design
- Competed at the 2013 AUVSI RoboBoat competition in Virginia Beach

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

May 2008 - Present

- Started in 2008 as a dishwasher and worked up to becoming a server
- Problem solved when unseen variables create issues (kitchen mistakes, spills, etc.)
- Interpersonal skills bolstered when interacting with customers and co-workers

PROJECTS

Developer, Embedded Wireless Bridge Sensor Development

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

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, TinyCAD, SolidWorks, Microsoft Office, Adobe Creative Suite