

# PATRICK S. WALTERS

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## OBJECTIVE

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Obtain employment in a rewarding and challenging environment where my skills and knowledge with autonomous vehicle controls, dynamics, and digital electronics can be fully utilized.

## EDUCATION

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August 2007-Present	University of Florida GPA 3.64/4.00	Gainesville, FL
Degrees Held:	B.S. Mechanical Engineering E.E. Undergraduate Minor	Graduation 2011
Degrees Pursuing:	M.S. Mechanical Engineering Ph.D. Mechanical Engineering	Graduation 2012 Graduation 2015
Scholarship:	SMART Scholar MS/BS- 2010 Cohort SMART Scholar PhD - 2012 Cohort	
August 2005-May 2007 54 Credit Hours*	Gulf Coast Community College GPA 3.91/4.00	Panama City, FL

\*Credits earned through dual enrollment while attending high school

## EXPERIENCES

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May-August 2012 May-August 2011	Naval Surface Warfare Center	Panama City, FL
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### *SMART Program Internship*

- Familiarity with the operation of multiple littoral autonomous underwater vehicles (AUV)
- Supported the development and testing of small unmanned surface vehicles

August 2008-Present	Machine Intelligence Laboratory	Gainesville, FL
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### *Subjugator Project*

- Team leader SubjuGator, an AUV developed at the University of Florida
- Assisted in design of vehicle control laws and state estimation algorithms
- Proficient in using Pro Engineering and SolidWorks Computer Aided Design (CAD) software
- Designed and manufactured o-ring seals, self-contained battery containers, modular battery trays, and blind mating electronics trays

May-August 2008	General Dynamics	Panama City, FL
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### *Mechanical Engineering Intern*

- Learned to work within design specifications and the defense contractor environment
- Designed undersea head-up display housing using Solid Edge V18 CAD software
- Learned to work with engineers of multiple disciplines in order to develop a complete system

June-August 2007 June-August 2006	Naval Surface Warfare Center	Panama City, FL
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### *Mechanical Engineering Intern*

- Mechanical design and fabrication using Solid Edge V18 CAD software
- Test planning, data collection, trade analysis, and technical reporting on experimental dive equipment and night vision systems
- Familiarity with a Government research and development laboratory, its facilities and processes