

Mara Tuchman

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US Citizen
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EDUCATION:

Florida State University Overall GPA 3.40 08/2003-04/2012
Florida State University-Panama City 01/2010-04/2012
- Minor: Underwater Crime Scene Investigation (UCSI)
Florida State University, Electrical Engineering BSEE 2009
- Minors: Mathematics and Physics

RESEARCH:

- Conducted multiple Science Dives with FSU-PC UCSI Dive Team 01/2010-04/2012
◦ Investigated various USCI and advanced dive technologies
- Independent Study: ROV Technology 01/2012-04/2012
◦ Develop curriculum to teach middle school and high school kids about ROVs with hands on projects
- DIDSON Project 01/2010-07/2010
◦ Trained officers of the law with state of the art multibeam sonar, side scan sonar and ROVs
- Built autonomous robot for IEEE SoutheastCon 2009 Robotics Competition 08/2008-05/2009
◦ Robot located, differentiated and sorted plastic, aluminum and glass containers

WORK EXPERIENCE:

Junior Scientists in the Sea, Director and Web Developer, Panama City, FL 06/2012-Present
- Establish partnerships with different organizations
- Update and maintain website and social medias such as facebook and twitter
- Assist in the SCUBA training and certification of the students
Tuchman Engineering Services, Inc., CAD Drafter, Hollywood, FL 2007-2010
- Trace layouts of apartment buildings, medical offices, and other structures
- Edited drafts and fire alarm system designs to ensure quality

QUALIFICATIONS:

- Science Diver, Advanced Nitrox, Cavern Diver, Rescue Diver, Equipment Service Repair, Instructor Assistant in training

SKILLS:

Engineering:
- LabVIEW, AutoCAD, OrCAD, Quartus, Eagle
Business Enhancement:
- Microsoft Office, QuickBooks
Design Software:
- PhotoShop, DreamWeaver
Language:
- Bilingual: read, write and speak English and Spanish
Other:
- Circuit design and assembly
- Project planning and management in the autonomous vehicle project

ACTIVITIES AND INTERESTS:

- Society of Women Engineers (SWE) 01/2010-Present
- Institute of Electrical and Electronics Engineers (IEEE) member 01/2010-Present
- Society of Hispanic Professional Engineers (SHPE) member 2006-Present