

ENRIQUE G. ORTIZ

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TECHNICAL EXPERTISE

Languages: C, C++, Java, x86 Assembly, HTML

Packages: wxWidgets GUI programming, Doxygen, CVS, SVN

Software: Microsoft Office, Matlab, Adobe Dreamweaver, Microsoft Visual Studio, familiar with AutoCAD

Hardware: Repairing computers, System maintenance, Troubleshooting

Operating Systems: Windows, Unix, Mac OS X

EDUCATION

Pending May 07	B.S. Computer Engineering Current Cumulative GPA: 3.83	University of Central Florida	Orlando, FL
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EXPERIENCE

Jan 06 – Present	Research Assistant Explored outlier detection algorithms for use in categorical data.	Intelligent Systems Lab	Orlando, FL
June – Aug 06	Research Assistant Conducted a sensitivity analysis of a security system designed to automatically track an intruder using a wireless network of inexpensive Passive InfraRed sensors to detect motion and a high resolution robotic camera to capture photos of the detected intruder.	Alpha Lab	Berkeley, CA
Aug 05 – Aug 06	Robotics Programmer Contributed interface work for the communication between the intelligence and sensors. Also applied a segmentation technique to filter SICK Laser points.	Robotics Lab at UCF	Orlando, FL
May 04 – May 06	Research Assistant Conducted a study in the production of gold nanoparticles by inverse micelle encapsulation and its characterization using Atomic Force Microscopy (AFM). Later focused on the theoretical study of oxygen adsorption onto gold nanoparticles using density-functional theory (DFT) calculations.	UCF Physics Department	Orlando, FL
Jun – Jul 02	SHARP Apprentice Worked for NASA at the Kennedy Space Center doing a variety of jobs including the development of a database and a brief user's manual for a communications system.	Modern Technology Systems, Inc.	Cape Canaveral, FL

HONORS/AWARDS

- Tau Beta Pi (The National Engineering Honor Society) – Treasurer
- Ronald E. McNair Scholar (2004-Present)
- National Action Council for Minorities in Engineering Scholar (2003-Present)
- College of Engineering and Computer Science at UCF Dean's List (2003-Present)