

# Yamil Asusta-Santos

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## Education

Computer Science B.S. at University of Puerto Rico – Rio Piedras Campus

- GPA: 3.30
- Expected Graduation Date: May 2014

## Work Experience

Computer Engineer Co-Op at Johnson & Johnson CPW, New Jersey Jan 2011 to June 2011

- Developed a wireless, autonomous and device agnostic testing interface for 8 prototypes
- Developed self-governing and intuitive robotics algorithms reducing human error by 100%
- Parallelized a spectroscopy algorithm to run up to 100%

Software Developer at Computer Research Lab in UPR – Mayagüez Jan 2010 to Jan 2012

- Project manager using ARG methodology
- Parallelized algorithms improving their speed up to 300% in some cases
- Published in three posters at different conferences

Software Engineer at CyberShare, University of Texas, El Paso Summer 2010

- Parallelized/optimized seismic tomography algorithms increasing speed up to 50%

Software Engineer Co-Op at Ethicon, Inc, San Lorenzo Jan 2010 to May 2010

- Mentored 15 students for the FIRST Robotics Competition
- Designed a control system that enabled a robot to play soccer autonomously

Volunteer at Robotics Laboratory at UPR – Mayagüez Jan 2010 to May 2010

- Optimized wireless communication interface for robots simulating the RoboCup competition

## Entrepreneurship

Co-Founder & Advertising Manager at Roomba Traxx June 2011 to Present

- Incremented publicity up to 2300% in two months
- Developed an Open-Source advertising tool

## Honors and Awards

Programming Competition at UPR Ponce 2nd place (2011)

Microsoft's Imagine Cup Regional 3rd place (2011)

Motorola Quality Award (2011)

Regional winner in Vex Robotics Competition (2010)

Rookie All-Star Award and Website Excellence Award in FIRST Robotics Competition (2009)

## Memberships and Activities

Licensed Open Water Scuba Diver (2011)

Presented research poster, Research and Industrial Collaboration Conference (2011)

Presented research poster, Computing Alliance for Hispanic Serving Institutions Conference (2011)

Presented research poster, University of Texas, El Paso (2010)

## Skills

Programming languages & tools: Java, C/C++, Python, nodejs, MongoDB, Git, HTTP, JSON, Javascript

Exposed: C#, MySQL, CSS, HTML

Technical knowledge: PaaS (OpenShift & nodejitsu), Android, Six Sigma, Computer Hardware, Photoshop, LabVIEW, Matlab and SolidWorks