

Brian Pietrodangelo

6609 SW Archer Rd Gainesville, FL 32608-4716
(850) 597-0276

pietro@rastarobotics.com

www.rastarobotics.com

Objective To Solve the World's Problems – One at a Time.

Education Bachelor of Science in Electrical Engineering
University of Florida, Gainesville, FL
Aug 2004
Master of Science in Electrical Engineering
University of Florida, Gainesville, FL
Anticipated: Dec 2007

Employment

- 9/04- **Co-founder of company: RASTA Robotics - Robotic & Automated Systems Technical Associates**
Started company RASTA Robotics with co-founder Kevin Phillipson. Specialize in robotic and automated motion control systems. We are currently part of a team developing an intelligent, 3-axis machine for use in the medical industry.
- 5/04-8/04 **Machine Intelligence Laboratory, University of Florida Automated Control System for Medical Provider**
Team Leader and Project Developer – Secured for MIL a \$40,000 contract from a private sector medical provider to develop an automated control system for use in proprietary medical device.
- 2/04-8/04 **Member of Team *Subjugator* – An Underwater Autonomous Submarine.**
AUVS Underwater Competition, Responsible for computer hardware for motors as well as marker dropper mechanism. I was also responsible for the overall mechanical well being of the sub.
- 8/03-4/04 **Koolio - Machine Intelligence Laboratory, University of Florida**
Continued work on Koolio, a project started in REU. Kevin Phillipson joined the team and the project became a huge success. A professor can remotely - by internet or internal network connection - "call" Koolio to come to his office. Koolio receives this call from his docking/charging station down the hall inside the MIL lab. He navigates down the hall using sonar, IR, image processing, optical encoders, and a compass. By using all these sensors, Koolio navigates effortlessly down the 3rd-floor hallway in Benton Hall. He arrives at the correct office and the professor gets his diet coke and candy bar. Koolio turns around and goes home waiting for the next call. It was showcased on *MSNBC's Countdown with Keith Olberman*, *NBC's Today Show*, *Early Today Show Tech TV*, *Fox News - Shepard Smith report*, *CNBC's Squawk Box*, and over 324 comments on *Slashdot.com*. When it was all said and done, Koolio was the 9th most successful story in UF broadcast history.
- 5/03-8/03 **National Science Foundation REU, Machine Intelligence Laboratory, University of Florida**
Research Assistant -- One of 12 students selected from nationwide applicants to participate in REU – Research Experience for Undergraduates. This program -- sponsored by the National Science Foundation (NSF), focused on the design and implementation of autonomous agents to facilitate research and problem solving in a variety of engineering fields. The project I started was Koolio – The Drink Delivering Robot (read about above).

- 5/01-8/01 **Syn-tec Systems Tallahassee, FL**
Technical Assistant – Responsible for assembling automated fuel control units. These units incorporated embedded systems and are used in the public and private sector for automated monitoring of fleet fuel use and costs. .
- 5/00-8/00 **Allen Nobles & Associates, Inc. Tallahassee, FL**
Engineering Assistant – responsible for working in civil engineering & structural engineering projects, serving on a crew, responsible for land surveys, mapping and right-of –way/stormwater management assessments.
- 08/97-06/99 **Pietroangelo Production Group Tallahassee, FL**
Film and Video Production Assistant – responsible for overseeing equipment needs for location film and video production. Also responsible for assembly and repair of video editing and audio mixing computer systems and overseeing relocation and setup of video archive library

Organizations and Affiliations

Institute of Electrical and Electronics Engineers, Inc.
Machine Intelligence Laboratory
Sigma Chi Fraternity
Advanced SCUBA Certification Group

References: Available upon request.