

Zachary Anton Prisland

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EDUCATION

THE FLORIDA STATE UNIVERSITY, Tallahassee, Florida GPA 3.33
Bachelor of Science in Electrical Engineering, August 2011

THE FLORIDA STATE UNIVERSITY, Tallahassee, Florida GPA 2.75
Bachelor of Science in Computer Engineering, December 2008

HONORS & AWARDS

Recipient of the Florida Medallion Scholar Award Scholarship, 2004 – 2008
Most Successful Robotic Design in Competition Award, 2008

RELEVANT EXPERIENCE

Senior Project -- Project Manager

FAMU-FSU COLLEGE OF ENGINEERING, Tallahassee, Florida, August 2010 — Current

- The project goal is to build a solar powered car capable of competing in the American Solar Challenge
- Managed interdisciplinary group of nine electrical, mechanical, and industrial engineers
- Constructed a carbon fiber body to act as a lightweight frame for the vehicle
- Designed a power control circuit to charge batteries with solar generated energy and utilize battery power during vehicle operation
- Coordinated fundraising efforts resulting in material donations already exceeding \$5,000

Senior Project -- Lead Programmer

FAMU-FSU COLLEGE OF ENGINEERING, Tallahassee, Florida, January 2008 — December 2008

- Served on a four-person team that designed, built, tested, and presented a fire fighting robot prototype
- Created an autonomous robot that employed several sensor types in order to successfully traversing a maze and locate a flame
- Implemented a control circuit that would power a fan used to extinguish any located flames
- Analyzed needs and selected a microcontroller component in order to control all other hardware components (sensors, motors, fans, etc.)
- Wrote, debugged, and tested all programming code for the microcontroller in C++

TECHNICAL SKILLS

- Utilized many circuit analysis software including: PSpice, Advanced Design Systems (ADS), and Quartus II
- Design and analysis of single and three phase power systems
- Laboratory equipment experience such as transmission line demonstrator, oscilloscope, spectrum analyzer
- Hands on experience implementing electronic designs and system integration

OTHER EXPERIENCE

Customer Service Staff, **PUBLIX SUPERMARKETS, INC.**, Tallahassee, Florida, March 2002 — June 2009

Cashier, **THE HOME DEPOT, INC.**, Redmond, Washington, September 2009 — December 2009

Guest Relations, **BUSCH GARDENS ENTERTAINMENT**, Tampa, Florida, February 2009 — July 2009

Customer Service Staff, **PUBLIX SUPERMARKETS, INC.**, Tallahassee, Florida, August 2010 — Current