

ROBERT VALENTINE

Please contact me through the contact page.

Overview

I am an Electrical Engineer with experience designing embedded hardware and software located in Huntsville Alabama. Most of my time is spent in low level embedded design as well as developing GUIs to control and communicate with embedded systems. Below are my credentials.

Education

University of Alabama in Huntsville

B.S. in Electrical Engineering

GPA: 3.42

Graduated: May 2009

Honors/Awards

Eta Kappa Nu – National Electrical and Computer Engineering Honor Society

Delta Epsilon Iota – Academic Honor Society, Lifetime membership

Mu Alpha Theta – National Honor Society for Mathematics

Dean's List

University of Alabama college of Engineering summer camp

- 1st place in Robo Lab Competition
- Invited to present at IEEE Southeast Conference
- Senior Design: wireless indoor robot tracking system

Since April 2002

2006 – 2007

June 2003

Professional Experience

Dynetics, Inc. – Huntsville, AL

Embedded Design Engineer

- Microcontroller and FPGA design/development
 - PIC, MSP430, ARM, Actel, Altera, Xilinx
- Schematic capture, layout, circuit board debugging
- Python GUI software development

May 2010 - Present

Avocent, Inc.

Cooperative Engineer (Co-op)

Test and Research & Development Lab

- Working with basic fpga's using verilog
- Constructing HDL state machines, UARTs, embedded communication
- Experience with pic microcontrollers writing both assembly and C

April 2006 – May 2009

Time Domain Inc

Electrical Engineer Intern

- Developed a USB controller with a Pic micro-controller
- Ultra Wide Band radar array research

May 2009 – August 2009

UAH Graduate Teaching Assistant

- Taught two Introduction to Engineering Labs

August 2009 – December 2009

Technical Skills

Engineering Software:

MATLAB, Simulink, PSPICE, Eagle PCB

HDL:

Verilog, VHDL

Programming Languages:

C, Dynamic C, C++, PHP, assembly, Python

Microsoft:

Excel, Word, PowerPoint, Outlook

Platforms:

Windows, Linux

Website:

www.getsomesystems.com