

Forrest Voight

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SUMMARY

I intend to pursue a graduate degree in electrical engineering and then a career in research or product development of robotic or computer-controlled systems.

EDUCATION

University of Florida

Bachelor of Science — August 2011-Present

Current GPA: 3.98 Classification: 5 EG

Major: Electrical Engineering + Computer Engineering

54 credits transferred from AP tests and Florida International University

Expected graduation date: May 2015

Accomplishments

- NSF REU fellow, working on PropaGator's GPS/INS system (Fall 2013 - Spring 2014)
- PropaGator autonomous surface vehicle team (2013-2014)
 - Lead programmer (2014)
 - 1st place in AUVSI/ONR's 6th International RoboBoat Competition (2013)
- University Scholar for Engineering, working on SubjuGator's machine vision (2013)
- SubjuGator autonomous underwater vehicle team (2012-2014)
 - Lead programmer (2014)
 - 2nd place in AUVSI/ONR's 16th International RoboSub Competition (2013)
 - 2nd place in AUVSI/ONR's 15th International RoboSub Competition (2012)
- 14th place team in IEEEExtreme 5.0 Global Programming Competition (2011)

Miami Palmetto Senior High

August 2007-June 2011

Graduated *Summa cum laude* (top 5% of graduating class of 745 students)

Accomplishments

- 1st place in 2011 David Essner math competition at the University of Miami
- 1st place team in South Florida's 2010 National Science Bowl
 - Participant at 2011 National Science Bowl at Washington, DC
- American Technology Honor Society competitions
 - 1st place computer programming team at University of Central Florida 2012
 - Team leader of computer programming team
- Lettered for varsity swim team (2007-2011) and water polo team (2008-2009)
- Mu Alpha Theta math competition club
 - 1st team in Computer Programming @ 2010 & 2011 state competitions

SKILLS

- Computer programming with Python, C/C++, and Haskell
 - Experience with ROS (Robot Operating System), OpenCV toolkit
 - Started open source P2Pool project (related to Bitcoin)
 - Discovered security vulnerability CVE-2012-2459 in Bitcoin (C++)
- AVR/PIC microcontroller programming
- Mathematics and problem solving

EXPERIENCE

Fabricated wireless leak sensors for SubjuGator

Volunteer work for Machine Intelligence Lab — 2012-2013

Designed (primarily surface-mount) PCB using Altium, had it fabricated, manually soldered all components, and programmed PIC microcontroller in C to wirelessly communicate air pressure and temperature to host computer.