

Devin Hughes

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Gainesville, FL

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Objective: To graduate and apply the skills I have learned in a manner useful to others.

Education: **Currently pursuing PhD in Mechanical Engineering**

University of Florida Gainesville, FL

Master of Science in Mechanical Engineering

University of Florida Gainesville, FL

December 2009

Bachelor of Science in Mechanical Engineering

University of Florida Gainesville, FL

May 2007

International Baccalaureate Diploma

Vanguard High School Ocala, FL

May 2003

Work Experience:

Teaching Assistant - University of Florida

May 2009 - Present

- Assisted for the Electrical Engineering courses EEL3701 Digital Logic, EEL4744 Microprocessors, and EEL4712 Digital Design.

Member, Team SubjuGator - University of Florida

Fall 2009 - Present

- Participated in a team that designs, builds, and competes with an autonomous underwater vehicle.

Engineering Consultant - JD Squared, Inc.

May 2008 - Present

- Designed multiple embedded circuit boards for various numerically controlled products.

Production Employee - JD Squared, Inc.

May 2002 - May 2006

- General manufacturing employee. Learned usage and programming for CNC milling machines, lathes, and flame tables.

Engineering Projects:

Co-Designer Table-Top CNC Mill

May 2009 - August 2009

- Designed and manufactured a small CNC milling machine for use on a desk.

Designer MILy Robots - University of Florida

May 2007 - August 2007

- Designed and manufactured 8 robots of small dimensions on a limited budget for future swarm research.

Machine Intelligence Lab - University of Florida

May 2006 - August 2006

- Designed add on circuitry for P.A.N.T.S. a small humanoid greeter/interaction robot based on a Robosapien v2 toy.

Skills

- SolidWorks
- Microsoft Word, Excel, and PowerPoint
- G/M Programming language for CNC Machinery
- C/C++/C# Programming Languages
- Altium PCB Designer
- Altera Quartus II
- Microchip PIC Microcontrollers