

Matthew W. Welch

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OBJECTIVE To gain an internship allowing me to learn more about the electrical engineering field implement the knowledge learned at school.

EDUCATION **Major: Electrical Engineering**, Expected graduation: May 2009
Minor: Mathematics
Virginia Polytechnic Institute and State University

- GPA 3.78

COMPUTER SKILLS

Software:		Languages
MS Word	MS Power Point	Visual Basic
MS Excel	MS Access	C++

COURSE PROJECTS

Voltmeter Design, ECE 2074, Fall 2006

- Designed and constructed using op amps, resistors, and LEDs
- Made a voltage comparator with operational amplifiers
- Tested voltmeters with varying voltage sources

Microprocessor Design, ECE 2504, Spring 2007

- Designed and constructed using NAND and NOR gates, flip flops, and ALU
- Created to complete a set of micro-operations to store the answer of an algebraic problem into a register

Engineering Research Proposal, ECE 2014, Fall 2006

- Researched new technology in audio/video wiring
- Wrote a proposal to research a possible new wiring standard
- Presented our proposal to professors and classmates

ACTIVITIES

RHF West Eggleston Hall Vice President, 2007-Present
Eta Kappa Nu Intramural Chair, 2007-Present
Tau Beta Pi, 2007-Present
IEEE Member, 2006 - Present
National Society of Collegiate Scholars, 2006-Present
Student Engineers' Council, 2006-Present
WUVT Assistant Engineer, 2006-2007
Galileo Learning Community, 2005-2006

HONORS Harry Lynde Bradley Scholarship, 2005-Present

VOLUNTEER EXPERIENCE

Supervisor, SEC Engineering Expo, Blacksburg, VA, 2006

- Worked the information desk

Virginia Tech Engineering Open House, Blacksburg, VA, 2007

- Welcomed guests and answered any questions

AVAILABILITY Summer 2008