STEVE GATES

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(605) 391-0707

EDUCATION

Bachelor of Science, Electrical Engineering
Bachelor of Science, Computer Engineering
Minors in Computer Science, Mathematics
South Dakota School of Mines and Technology (SDSMT), Rapid City, SD

Expected Graduation: May 2015   GPA: 3.84

RELEVANT COURSES

Analysis of Algorithms, Artificial Intelligence, Digital Signal Processing, Digital Systems (FPGA), Embedded Systems, Microwave Engineering, Real-Time Operating Systems, Software Engineering

EXPERIENCE

Electrical/Computer Engineering Intern   Summer 2014
Raven Industries, Sioux Falls, SD
- Created and implemented wireless mesh network.
- Utilized AVR development tools on custom PCBs.
- Engineered electronics for high-static, high-vibration applications.

Computer Science/Computer Engineering Intern   Summer 2013
Raven Industries, Rapid City, SD
- Designed an embedded device from hardware to software.
- Utilized Microchip PIC, C language, and CAN communication.

Computer Science Intern   Summer 2012
L-3 Communications CSW, Salt Lake City, UT
- Developed a C++ sockets library for seventeen operating systems.
- Worked in teams on multiple-thousand-file codebases.

PROJECTS

Mechanized a hydrogen fuel cell, including fuel and electrical subsystems.
Built a video projector from parts and plywood; planning a new version.
Built and improving on automatic vegetable planter box.

PERSONAL

Chapter Founder, Lambda Chi Alpha fraternity.
Member, Institute of Electrical and Electronics Engineers (IEEE).
Senator, SDSMT Student Association Senate, January 2011 to May 2013.
Chair, SDSMT Senate Finance Committee, January 2012 to May 2013.

HONORS

Dean's List, 2010-2015, All semesters.
Member, Eta Kappa Nu (Electrical Engineering Honor Society).
Member, Tau Beta Pi (Engineering Honor Society).