STEVE GATES

Software and Embedded Systems Engineer

2529 Cruz Drive
Rapid City, SD 57702
(605) 391-0707
steve@gates.coffee

For a more detailed, visual version of this resume, please visit http://gates.coffee.

SKILLS

Software - *Agile Scrum, C++, C, C#, LISP, Python, Artificial Intelligence*
Embedded Systems - *AVR and Microchip, ICSP, DSP, FPGA, RTOS*
Electrical - *Circuit/PCB Design, Microwave Engineering, Electromagnetics*
Business - *Statistical Analytics, Economics for Managers, Financial Accounting*

EXPERIENCE

Electrical and Computer Engineering Intern - *Raven Industries, Sioux Falls, SD*
Summer 2014

- Designed ZigBee wireless mesh network devices for industrial application.
- Utilized AVR development tools on custom PCBs.
- Rapidly designed electronics for high-static, high-vibration environment.

Software Engineering Intern - *Raven Industries, Rapid City, SD*
Summer 2013

- Designed an embedded device from hardware to software.
- Utilized Microchip PIC, C language, and CAN communication.

Software Engineering Intern - *L-3 Communications CSW, Salt Lake City, UT*
Summer 2012

- Developed a C++ sockets library for seventeen operating systems.
- Worked in teams on multiple-thousand-file codebases.

EDUCATION

HBX | Harvard Business School
CORe: Credential of Readiness
Summer 2015

CORe is a 120-150 hour certificate program on fundamentals of business, comprised of three courses - Business Analytics, Economics for Managers, and Financial Accounting.

South Dakota School of Mines & Technology, Rapid City, SD
Bachelor of Science, Electrical Engineering
Bachelor of Science, Computer Engineering
Minors: Computer Science and Mathematics
Aug 2010 - May 2015   GPA: 3.84

PERSONAL PROJECTS

Mechanized parts of a hydrogen fuel cell, including fuel and electrical subsystems.
Built a video projector from parts and plywood; planning a new version.
Prototyped a temperature-sensing mug with capacitive touch buttons.

ACCOMPLISHMENTS & HONORS

Chapter Founder of Lambda Chi Alpha fraternity Chapter ΠΜ.
Finance Committee Chair, SDSM&T Student Senate, January 2012 to May 2013.
SDSM&T Magna Cum Laude Graduate, Dean's List All Semesters, 2010 to 2015.