
STEVE GATES

Software and Embedded Systems Engineer

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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

Engineering - Embedded systems, AVR, ICSP, DSP, Circuit/PCB Design

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 AVR devices for industrial application.

Software Engineering Intern - Raven Industries, Rapid City, SD

Summer 2013

- Designed an embedded CAN device on from hardware to software.

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

Summer 2012

- Developed a C++ sockets library for seventeen operating systems.

Campus Event Manager - South Dakota School of Mines & Technology, Rapid City, SD

January 2011 to May 2015

- Coordinated custodial and food services, employees, IT Staff, and community members.
- Managed the South Dakota Legislature Cracker Barrel (open forum event) for 5 years.

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 TT M.

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.