

Charles Parsons

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Education

South Dakota School of Mines & Technology
BS in Computer Science
GPA: 3.25

Rapid City, SD
Expected Graduation: May 2015

Bakersfield College
Computer Science Major
Fall 1997 – Spring 2002

Bakersfield, CA

Skills

Programming Languages

C++ (Proficient), Python,
C#, Java

Operating Systems

Windows, Linux

Database Systems

MS SQL Server 2008,
MySQL

GUI Frameworks

C++/Qt, Java/Swing

Software/Debugging

MS Visual Studio, Eclipse,
NetBeans, gdb, valgrind

Profiling Tools

gprof

Projects

- UAV Landing Pad (Senior Design Project) – will have an autonomous UAV take off from and land back upon an autonomous UGV with a landing pad on it.
- ICPC Programming Team 2013 (14th Place in North Central North America Region)
- Windows 8 apps - Match US State Capitals, Alphabet Memory Match, Feed the Hungry Bat
- ACM SVN Repository Management Project 2013-14
- IEEE Robotics Competition-Team 2 Software Lead 2013-14
- Android App – Custom Data Tracking App (Team Lead)

Professional Experience

South Dakota School of Mines & Technology
Rapid City, SD
Tutor - Tech Learning Center

August 2013 – Present

- Tutor students in Computer Science, Physics, and Math

Sencore, Inc.
Sioux Falls, SD
Software Engineering Intern

May 2014 – August 2014

- Improved the calibration application for the DTU-236A, calibration throughput went from 40% to 95%
- Created a windows installer package for RFXpert using WiX.
- Gave an info-session on creating WiX installer packages.

Honors & Activities

Dean's List (Spring 2012, Fall 2012), Student Chapter of ACM (President 2014), Robotics Club