

Dicheng Wu

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EDUCATION

South Dakota School of Mines and Technology - Rapid City, SD

Overall GPA: 3.36

- Computer Science B.S.
- Expected Graduation Date: May 2016

Major GPA: 3.67

Related Courses

- Data Structures
- Analysis of Algorithms
- Software Engineering
- Database Management
- Assembly Language
- Digital Image Processing
- Programming Language
- Natural Computing
- Senior Design I
- Introduction to Robotics
- Data Mining & Visualization
- Networking/Data Communication

TECHNICAL SKILLS

- **Proficient:** C/C++, Python, JAVA
- **Experienced:** Common Lisp, SQL, ARM Assembly
- **Libraries:** CUDA, PyQt, NumPy, SciPy, Matplotlib
- **Operating Systems:** Windows, Linux
- **Database Systems:** MySQL, MSSQL
- **Environment:** Visual Studios, NetBeans, Qt Creator, LaTeX, Github, Agile Development

PROJECTS

- **Evolving Neural Networks To Play Tic-Tac-Toe:** The program is written in C++. The main functionalities of this program are to train a neural network by using genetic algorithm and to play tic-tac-toe with humans. I also rewrite the neural network with applying back-propagation and CUDA afterwards.
- **Dance Soft:** This is a senior design project. We are making an open-source software which will run on local Dance Academy for their students and classes' management. The software is written in Python and PyQt and built upon MySQL database. The development process strictly conforms to "agile development methodology".

PROGRAMMING CONTEST

- Placed 47th (out of 290 teams) at 2014 ACM-ICPC North Central North America Regional.

EXPERIENCE

- **South Dakota School of Mines and Technology Dining Service** - Jan 2015 – May 2015
Cleaning tables and washing dishes.