

Brandon Skari

brandon@skari.org
http://www.skari.org/
San Francisco, CA 94102

PROFESSIONAL EXPERIENCE

Software Engineer

July 2011 – Present

Yelp

- Developed web-based internal moderation tools using Python

Graduate Intern

June – August 2008, June – August 2009

Idaho National Laboratory

- Updated transportation safety simulation of terrestrial radioisotope-powered broadcast towers
- Extended the simulation to analyze the risk of transporting other hazardous materials

Engineering Intern

June – August 2007

United States Geological Survey

- Researched alternative user interfaces for purchasing satellite images
- Implemented “slippy map” JavaScript interface with online web services back-end

Engineering Coop

January – August 2005

Rockwell Collins International

- Successfully marketed Boeing 767 smart tanker upgrade demo to United States Air Force
- Analyzed Java development tools for use on embedded Linux platforms
- Prepared software safety evaluation for VH-60N presidential helicopter

EDUCATION

University of Wyoming, Laramie, WY

May 2011

Master of Science, Computer Science

- Thesis: Bayesian Classification of SQL Injection Attacks
- Wrote a 12,000 line proxy for SQL that intercepts queries at runtime and prevents injection attacks
- GPA: 3.79

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

May 2007

Bachelor of Science, Computer Science

- GPA: 3.7

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

May 2007

Bachelor of Science, Applied and Computational Mathematics

- GPA: 3.2

QUALIFICATIONS

- Extensive oral and written communication experience
 - Programming in languages including C++, Python, Java, and C
- C++:
- Wrote a 15,000 line proxy for SQL detect and prevent injection attacks at runtime
 - Contributed several bug fixes to Dlib libraries
 - Tested, read and graded C++ based projects
- Python:
- Developed web-based internal moderation tools at Yelp
- C:
- Implemented and contributed the MySQL packet dissector for Wireshark packet sniffer

Brandon Skari

brandon@skari.org
http://www.skari.org/
San Francisco, CA 94102

PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS

- Association for Computing Machinery — Member, Fall 2003 – Present
International Collegiate Programming Contest
 - 2007 – 2010: Coach for University of Wyoming, best ranking: 10th of 47 teams
 - 2006 Regional: Entrant for South Dakota School of Mines and Technology, 10th of 181 teams
 - 2005 World Finals: Entrant for South Dakota School of Mines and Technology
 - 2005 Regional: Entrant for South Dakota School of Mines and Technology, 2nd of 180 teams
 - 2004 Regional: Entrant for South Dakota School of Mines and Technology, 8th of 184 teams
- High Plains Chapter:
 - Activities committee member
 - Presented to design flaws in the Xbox security system
 - Ran ACM Queue programming challenge contest
- Collegiate Cyber Defense Competition
 - 2011 Regional: 1st place – Entrant, secured two LAMP installations
 - 2010 Regional: Entrant, secured LAMP installation

TEACHING DUTIES

- Computer Security (Lab Instructor)
- Systems Programming and Management (Lab Instructor)
- Computer Information Systems (Lab Instructor)
- Computer Science II (Lab Instructor)
- Introduction to Computer Science I (Lab Instructor)
- Principles of Programming Languages (Grader)

REFERENCES

Available upon request.