

David Alves

Email: dalves@davidalves.net

Web site: davidalves.net

Phone: (650) 380-5169

Address: 1896 Market Street, Santa Clara CA

Objective

A position in software development for the summer of 2009.

Skills

- Java** Originally self-taught to enter IBM's Robocode competition, I later honed my skills in several small startups, and regularly use Java to compete on TopCoder.
- C/C++** I wrote a multithreaded Linux application to schedule many interdependent types of calibration for wireless networking hardware while working at BRN Phoenix. In programming competitions where execution time is critical, I use C++.
- Ruby** I learned Ruby while creating Roborumble.org, a Ruby on Rails site I made to provide stable rankings of Robocode robots for the Robocode community.

Employment

Summer 2008

Juniper Networks

Sunnyvale, CA

- Developed software to check Juniper's engineering database and feature request databases, building lists of overdue items which are then emailed to the employees.
- Created software to automatically generate quarterly PDF reports on customer feature requests, with dynamic charts and tables.

2007-2008

BRN Phoenix, Inc.

Santa Clara, CA

- Wrote testing platform in Java to simulate DSP chip functionality on a PC.
- Created Ant scripts to automate nightly building and testing, with build and test summaries sent to all developers each morning.
- Wrote C code to communicate between chips on wireless subscriber unit and schedule interdependent calibration tasks.

Other Experience

2007 - Present

TopCoder

topcoder.com

TopCoder hosts regular online programming competitions.

- Ranked in the [94th percentile](#) in weeklong programming challenges.
- Semi-finalist in the 2008 TopCoder Open, competing against over 600 other coders of all ages.

2003 - Present

Robocode

robowiki.net

Robocode is a competitive programming game, originally made by IBM, where coders write Java AIs to control tanks which battle each other.

- Authored Phoenix, a robot that has ranked in the top 3 out of over 600 competitors for over a year.

Education

2006 - Present

San Jose State University

San Jose, CA

- Pursuing a Bachelor of Science in Computer Science.
- President of the Computer Science Club.
- Designed and led a fun seminar to teach high school students about programming and interest them in engineering careers as part of MESA Day 2008.
- Member of San Jose State's 2007 ACM International Collegiate Programming Challenge team, finished 13th out of 76 teams in the Pacific Northwest region.