

JAMES THORNE

Student of Software Engineering

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Career Objective

Pursuing a career in leading-edge technology, currently focused on web, database and operating system development.

Education

Bachelors of Science in Software Engineering, 2008-Present

Schulich School of Engineering, University of Calgary

- Expected Graduation December 2013 (with Internship and Minor in Entrepreneurship and Enterprise Development)

Alberta High School Diploma, 2008

CBELearn High School

Certificate in Software Development, 2003

Faculty of Continuing Education, University of Calgary

- First student under 18 accepted into the program

Skill Highlights

Ability to rapidly learn new environments and software languages.

- Experience with iOS Development, using Cocoa Touch and cocos2d
- Experience with Linux-based and Open-Source software development, including Qt and Xlib applications using C++ and other languages.
- Experience with Microsoft ecosystem, including Windows Desktop and Web development in Microsoft .NET framework.

Professional Experience

Software Development Intern, CDL Systems Ltd., 2011-2012

Developed real-time unmanned aircraft control software for US Army and other clients. Worked on all stages of project, including designing and coding actual control software, developing automated testing, writing technical integration manual, and automating build and release processes. Worked primarily in C++/Qt, as well as Python and other languages, targeting Linux- and Solaris-based workstations.

Application Developer, Pillar Resource Services, 2004-2012

Developed project management database and reporting system for two-year construction project. Maintained and supported application as client reporting requirements changed. Performed network and desktop maintenance, and developed numerous small business applications.

Software Developer, Trident Exploration, 2009-2010

Developed an application to aggregate corporate knowledge from multiple database systems, and present it in a user-friendly and effective manner. Experience with systems including Peloton WellView, QByte, and AFE Navigator.

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(continued) Software Developer, Trident Exploration, 2009-2010

Built additional web applications to track EHS incidents, joint ventures, penalty payouts, field compressors, etc.

Application Developer, Aguila Exploration, 2004-2009

Developed several major projects including Field Accounting System, extensive ArcMap scripting, and Nortel voicemail notification system. Built a series of applications for both end-users and network maintenance.

Teaching Assistant, University of Calgary, 2003-2004

Worked in Faculty of Continuing Education, assisted students in the Certificate in Software Development Program.

Subcontractor, EnCana, 2003-2004

Built backup analysis application for company-wide Windows XP Desktop Rollout Project.

Application Developer, Pandell, 2003-2004

Upgraded in-house payroll and time tracking system. Built web interface for client resource management system.

Application Developer, smartSPACE Technologies Ltd., 2002

Developed custom software for interactive wiring layout for new homes.

Volunteer Experience

President, Electrical Computer and Software Engineering Students' Society, 2012-2013

Oversaw general operation of society, coordinated with faculty to develop long-term department goals, and facilitated involvement in student- and faculty-run events.

Vice President of Events, Electrical Computer and Software Engineering Students' Society, 2009-2010

Planned and coordinated various Engineering events. Directed and produced movie for Engineering Week Film Festival. Team lead for Keyclue, a week-long engineering puzzle contest.

Awards

Jason Lang Scholarship

Alberta Rutherford Scholarship

University of Calgary Admission Scholarship

Silver Medal, Calgary Science Fair

First runner up, Intel Computing Award, Calgary Science Fair