

TRAVIS BROWN

210 Agnes St, New Westminster, V4O 1E6 (778) 232-7741; travisbrown@travisbrown.ca

Skills

- **Operating System Development Experience:**
 - ▶ Linux (Slackware, Debian, Redhat and other variants) (6 Years)
 - ▶ Mac OSX (4 Years)
 - ▶ Windows 2000/XP/Vista/Win7 (6 Years)
- **Computer Languages:**
 - ▶ Proficient in C/C++, Java, Unix Shells (6 Years)
 - ▶ Python, Objective-C (3 Years)
 - ▶ Working knowledge of C#, SQL, L^AT_EX, MATLAB (<3 Months)
- **Software Development Tools:**
 - ▶ Proficient with Source Control (Subversion, Perforce, CVS) (5 Years)
 - ▶ Working knowledge of common IDEs (Visual Studio, Eclipse, XCode) (1 Year)
 - ▶ Experience with Continuous Integration Tools (CruiseControl.NET) (6 Months)
 - ▶ Proficient with Standard Unix Development Tools (6 years)
- **Technologies:**
 - ▶ Unix System Level Software and Daemons
 - ▶ TCP/IP Network Development including BSD Sockets
 - ▶ Front End Web Programming
 - ▶ Distributed/Multiprocess/Network Programming

Experience

- **Mobidia Inc.**—Richmond, B.C.
Software Engineer *Apr. 2010–Present*
 - Primary developer responsible for taking prototype Mac OS X port to product level finish
- **Mobidia Inc.**—Richmond, B.C.
Junior Software Engineer *Oct. 2009–Apr. 2010*
 - Primary developer responsible for the design and implementation of cross platform module test harness written in Python.

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- Solely responsible for porting the C++ userspace daemon to Mac OS X from Windows.
- Actively reviewed and commented upon the design of the customer visible API.
- Researched and advised on alternative Source Control software and source code layouts.

- **Extended Period of Travel**—North America

Traveller

Mar. 2009–Aug. 2009

- ▶ Road trip around Canada and the USA

- **Workpoint Steel Detailing Ltd.**—Surrey, B.C.

Programming Contractor

Jan. 2009–Mar. 2009

- ▶ Solely responsible for Development of Custom Add-ons in Python for SDS/2.
- ▶ Designed User interfaces of Add-ons to maximize user efficiency.
- ▶ Ensure Add-ons are sub-millimetre accurate under difficult three dimensional geometric conditions.

- **Threewave Software Ltd**—Vancouver, B.C.

Junior Programmer

Sept. 2008–Dec. 2008

- ▶ Maintain and enhance a C# based internal development tool.
- ▶ Configure and manage the Cruise Control .Net based Continuous Integration server.
- ▶ Implement prototype front end using Scaleform GFx.
- ▶ Perform code integration and plan content integration strategy for the Wwise audio subsystem.
- ▶ Developed game features on the Epic Unreal Engine 3.

- **Simon Fraser University**—Burnaby, B.C.

Computer Support Technician

May 2007–Aug. 2008

- ▶ Configure new computer systems according to pre-existing guidelines customized to particular case-specific requirements.
- ▶ Provide direct face to face support to administrative staff, students and faculty.
- ▶ Troubleshoot network problems, both software and hardware related.
- ▶ Research solutions to varied technical problems, providing solutions which are sufficiently powerful and flexible while ensuring each solution is well documented and maintainable.

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- **MacDonald, Dettwiler & Associates Ltd.**—Richmond, B.C.
Junior Software Developer/Co-op Student *May, 2006–Dec. 2006*
 - ▶ Explore, document and learn a legacy C++ code base to become the team expert within strict time constraints keeping the goal of maximal reuse in mind.
 - ▶ Setup and maintain the build and development environment for the entire team. This included the software compilation scripts, automatic documentation production, source control maintenance and environment education.
 - ▶ Operate as technical support for the development environment and tools.
 - ▶ Be responsible for the design of central components of the CanCoastWatch project as well as verification of design compatibility with the legacy code base.
 - ▶ Development, integration and testing in both Java and C++ of various components as well as the JNI interface.

Formal Education and Awards

- **Simon Fraser University**—Burnaby, B.C.
BSc: Computing Science
 - First class honours with a concentration in Theoretical Computing Science
 - Cooperative Education Certificate

Achievements and Awards

- Faculty of Applied Science Dean's List: Fall 2004 through Fall 2008
- BCNET Broadband Innovation Contest 2008: Honourable Mention
- Computing Science Student Society Award: Spring 2004, Spring 2008
- MacDonald, Dettwiler and Associates Coop Scholarship: 2006
- SFU Summit Entrance Scholarship: Fall 2003

Additional Technologies

- Common productivity software, including Office, Open Office, Word, Excel and Powerpoint.

References available upon request.