

## Alexander Carmichael

3056 Admirals Rd. Victoria BC, V9A 2R8  
Email: [carmichael.alexander@gmail.com](mailto:carmichael.alexander@gmail.com)  
Phone: 778-679-3076  
GitHub: [github.com/ShovelHand](https://github.com/ShovelHand)

### Education:

**Fourth year computer science** student at the University of Victoria, completing graduation requirements August 2016.

BFA in visual art, graduated May 2007

### Relevant Technical Experience:

**Programming:** Familiar with the following languages and programming concepts

- C/C++, Java, Javascript, Ruby, Python, Go
- Object-oriented programming and design
- Algorithm design and analysis
- Distributed computing
- UI/UX design

**Database Management and Web Development:** Experience in the following areas

- Html5 and CSS
- Creating UDP and TCP based client and server programs
- Database design and management (PostgreSQL)

### Other skills:

- OpenGL and shader programs
- AVR programming and circuit design, including Arduino programming
- Version control using GitHub and SVN
- Operating system concepts including multithreaded programming and concurrency in POSIX and WIN-32 environments

### Previous Employment:

**C++ Game Programmer (co-op)**, Inlight Entertainment (January 2015, August 2015)

- Developed educational software products for several LeapFrog platforms
- Met client expectations while working under deadlines
- Used JIRA to track bugs and client feedback throughout the development cycle
- Collaborated with other programmers, artists, sound technicians and project managers to develop commercial software products
- Managed and logged code changes using SVN version control

**Tree Planter**, Leader Silviculture (April-June 2011, and April-July 2012), Brinkman and Associates (April-June 2010), Nechako Reforestation Services (April-July 2009)

- Worked in remote locations in British Columbia and Alberta in production based environments
- Met company and client specifications and quality standards as prescribed by each contract
- Applied interpersonal skills to work within a team based environment for extended periods of time, often within sub-optimal conditions
- Used time management skills to meet personal and company production expectations

**Martial Arts Instructor**, Professional Self Defence Studio June-2006-March 2009

- Instructed clients of a wide range of ages and abilities in group and private lessons
- Made clients feel welcomed and at ease in an atmosphere that many were not immediately confident in
- Continuously developed my own skills both as a martial artist and instructor
- Developed professional relationships with clients with a focus on teaching them new skills and retaining them as clients

### **Interests and Activities**

My passion in life is my lovely partner and our year old son. I will happily throw myself into any hobby that involves the creation of some finished product and identify strongly as a life-long learner. I enjoy woodworking, cooking for friends, and illustration. I enjoy keeping aquarium plants – and the occasional fish. I try to work in a handful of long distance runs or trips to the rec centre every week. In 2009 I achieved a black belt in kenpo karate.

### **References:**

Mathew Powell, President of Technology for Inlight Entertainment

Phone: 250-418-3002

Email: MPowell@inlightentertainment.com

Jim Courchesne, Supervisor with Leader Silviculture

Phone: 250-218-3385

Email: grandjim@hotmail.com

Greg Lamothe, Owner-operator of Martial Arts Unlimited Victoria  
(former supervisor at Professional Self Defence)

Phone: 250-661-2443

Email: greg@maunlimitedvic.com