



Jason Kereluk

jkereluk@engr.uvic.ca

Phone: (250) 588-2096

<http://web.uvic.ca/~jkereluk/>

Current Address
3975 Bear Street
Victoria, British Columbia
V8N 3P9

Permanent Address
190 Sunny Lane
Victoria, British Columbia
V8S 2K7

Engineering Experience

Work Term #4 *UVic* Research Assistant (May 2006 – August 2006)

- Programmed various improvements on *haptic* environment, specifically, the addition of impulse forces.
- Designed various scenarios to test effectiveness of improvements.
- Performed extensive research on the subject of voxel based collision detection and resolution.
- Compiled a detailed report outlining voxel research.

Work Term #3 *AUVic* Mechanical Design Engineer (September 2005 – Present)

- Student run UVic group that competes annually in San Diego.
- Co-Designed new AUV (Autonomous Underwater Vehicle) with Solidworks 2005.
- Machined various components at the University of Victoria machine shop and at Prototype Equipment design.
- Assembled and tested entire vehicle.
- New designed rated for higher depths, smaller in size, less mass.

Work Term #2 *InLight Entertainment Inc.* Lead Programmer (January 2005 – May 2005)

- Lead Programmer on *Spiderman and the Sinister Speller®* upgrade for the LMax. (educational handheld video game, geared towards children ages 5-9)

Work Term #1 *The Tall Girl Shop Ltd.* Office Tech Support (May 2004 – September 2004)

- Provided in-office tech support to a network of 40+ computers as well as over the phone tech support to their 47 stores.
- Re-designed their internal and external webpage. (external viewable at <http://www.tallgirlshop.com/>)
- Taught classes on Windows functions and Microsoft Excel to Tall Girl staff.

Education

- Post Secondary: University of Victoria: studying Mechanical Engineering, semester 3B. Expected Grad, August 2008
Most recent GPA: 7.17 (A-)
- High School: Claremont Secondary (2003) with first class honors (A average)

Technical Skills

- Mechanical Design / Drafting: Solidworks 2003, 2004, 2005, AutoCAD 2004, 2005, ANSYS Workbench
- Engineering Machining: Manual and CNC mill and lathe
- Computer Programming / Scripting: C, C++, Matlab, JAVA, php, basic, turbo pascal, HTML, JavaScript
- Business Software: Word, Excel, Publisher, Power Point and Access

Additional Skills

- Excellent Communication and Leadership Skills
- Exceptional Technical Writing Skills
- Very Strong Computer Maintenance Skills: Software and Hardware
- Exceptional Work Ethic and Attention to Detail, as accented by recent performance reviews.

Recent Volunteering

- AUVic (Student run UVic group that builds AUVs)
- Tutor in Physics 11, Physics 12, Math 11, Math 12, Math 100, Math 120 and Math 202
- Co-organized Engineering Frosh 2004
- Engineering 24-hour Bug Push Volunteer Fund Raiser 2003 and 2004
- Engineering Order of Pi Volunteer Fund Raiser 2003
- Organized and played in a Jazz Combo during High School
- Helped set up and plan the Kyla Harris charity dance

Achievements

- Recipient of Dean's Entrance Scholarship to Faculty of Engineering at University of Victoria
- Claremont Career Prep in Entrepreneurship
- First Place Standing in Claremont Euclid Mathematics Competition 2003
- Advanced Placement Physics and Calculus 2003
- Part of Claremont's UBC Physics Olympics team 2003 which won first place
- Grade 9 RCM Piano Exam First Class Honors & Grade 3 History Grade 4 Harmony

Interests

- Taking things apart and figuring out how things work.
- Designing and Drafting objects using computer software (AutoCAD and Solidworks)
- Math and Sciences.
- Performing, listening, and writing jazz and classical music.
- Alpine skiing, rock climbing and tennis.
- Computer software design, computer hardware, computer games, computer graphics, basically anything and everything to do with computers.

References

- Matthew Burdyny (AUVic) (250) 882-4689
 - Matthew Powell (InLight Entertainment) (250) 418-3002 ex: 3024
 - Caroline Parks (Previous Calculus Teacher) (250) 658-5221
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