

Ryan Ferguson

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<http://www.reaverxr.com>

OBJECTIVE SUMMARY

A progressive, dedicated, highly organized and intellectual Computer Sciences student seeking an entry-level game-play or related computer programming position. Offering a unique passion and ability to work with a variety of programming languages and platforms to build upon basic concepts while applying initiative, strong educational training and natural aptitude.

Consistently demonstrates exceptional skills, foresight and expertise in the following areas:

- Programming Languages: C/C++, Java, C#, Objective-C, SPARC Assembly, PHP, HTML
- Creative Problem Solver & Idea Generator
- Teaching & Training for Groups or Individuals
- Programming Libraries: XNA Game Studio, OpenGL, DirectX
- Excellent Grasp of Game-Engine Development and Game Design Theory.
- DB2 and MySQL Database Implementations.
- Exceptional Interpersonal Communications & Presentation Skills
- Strong Team Builder & Collaborator
- Development of Instructional Materials and Curriculum

SUMMARY OF ACHIEVEMENTS

PROGRAMMING, CODING & DESIGN

- *Developed from scratch, a 2D particle engine usable with C#/XNA projects.* Researched, programmed, and debugged the particle engine as a completely independent effort. The engine completed development in a 20-day period and received a final grade of 92% in a Game Engine Development class.
- *Developing a small-scale, casual game for the iPhone and iPod Touch with a team of four other individuals.* Communicate ideas at weekly meetings and apply knowledge of coding concepts and game-design theory to implement ideas and evolve the project to an entertaining and professional final product.

TRAINING & CURRICULUM DEVELOPMENT

- *Delivered one-on-one training* to new employees at Zehrs. Trained seven individuals in the proper performance of general clerk duties and helped them become familiar with the store layout.
- *Developed instructional materials for Bit by Bit Computer Science Summer Camp.* The materials assisted in teaching children computer programming and coding fundamentals as well as graphic design and engineering.

AWARDS & RECOGNITION

- *Received the Brad Masters Award for participation in the University of Western Ontario Marching Band.* The award provides recognition for enthusiasm and dedication.

EXECUTIVE COUNCIL PARTICIPATION

- *Elected as a member of the Executive Council for the University of Western Ontario Marching Band during first year of involvement; remained on the council for an additional three years.*

EDUCATION

The University of Western Ontario, London, ON

Bachelor of Science Degree – Computer Science

Expected Graduation 2011

- Minor in Game Development.
- Achieving grades of over 80% in multiple courses including Game Design (88%), Game Engine Development (82%) and Computer Graphics (88%).

PROFESSIONAL HISTORY

Bit by Bit Computer Science Summer Camp, London, ON**2007-2010 (Seasonal)***Head Counsellor*

- Created interactive curriculum to provide instruction to children aged 10-15 in various areas of computer science including programming, graphics and engineering.
- Applied previously used material with new items to creatively educate and engage the children. Utilized whiteboards, handouts and large-screen monitors to maintain attention and interest.
- Guided 20 children weekly over 8 weeks in step-by-step projects that could be applied after completion of the course.
- Communicated with parents regarding registration and vocal feedback regarding the material and the camp as a whole.

Counsellor

- Developed curriculum to instruct students in 3-dimensional graphic design using the Maya 3D modelling program.
- Provided graphic design instruction and ensured the safety of the children during camp hours.

Computer Science Dept., University of Western Ontario, London, ON**2008-2010 (Seasonal)***Teaching Assistant – Graphics and Multimedia*

- Facilitated the lab component of Graphics and Multimedia courses by addressing any questions from the students regarding the lab assignment or the course itself. Clarified expectations of the lab assignments.
- Determined marks by reviewing completed work and consulting marking grid. Recorded student attendance for application to the overall course mark.

Zehrs, Cambridge, ON**2002-2006***General Service Clerk*

- Provided friendly and expedient service to customers including bagging purchases, transporting bagged groceries to customer's vehicles and responding to customer inquiries.
- Demonstrated superior knowledge of products and location of merchandise throughout the store.
- Retrieved carts in a timely manner to ensure constant availability for customer use.

VOLUNTEER INVOLVEMENT

Western Mustang Marching Band, The University of Western Ontario, London, ON**2006-2011***Executive Council Member, Drumline Section Leader, Quartermaster, and Band Member*

- Maintained manual inventory of instruments assigned all instruments and accessories to band members annually. Arranged for repairs to instruments as required.
- Selected musicians to attend special events based upon availability entered into manual availability log.
- Assisted in organizing fundraising and the purchasing of band uniforms and club clothing.