

ALBERT O'CONNOR *B.Math*
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Objective and Summary

An intelligent, analytical, and hardworking software developer seeking to further his career with the right opportunity. Bringing 6 years of development experience, an education in computer science and mathematics and practical leadership experience. A strong combination of vision, the dedication to get things done and the passion figure out how to do them right.

Summary of Qualifications

- Web development experience with HTML, CSS, Javascript, Pylons, and Django
- Experience developing, testing and debugging large Object Oriented applications in C++
- Additional experience developing utilities, systems, and UI in Python, Javascript, and C#
- Experience developing on Windows, Linux, and Mac OS X
- Background programming in teams and independently
- Possesses practical leadership experience
- Organized and thorough communicator
- Quick and competent learner

Relevant Experience

ESENTIRE

UI Developer

Sept 2009 - Present

- Unified and extended legacy UI in a common framework based on Python and Pylons
- Worked with fellow developers and security analysts to gather the requirements for UI
- Evaluated possible technologies and approaches to determine the most robust and time effective

MCAFEE

Developer

Sept 2008 - August 2009

- Learned and modified a custom UI system written in Javascript and HTML
- Engineered a custom on demand virus scanner for Windows PE with a team of developers
- Re-implemented a C++ module in a 1/4 of the code while making it more flexible, usable and maintainable
- Developed a simple, web-based book tracking and searching system in Django

HARRIS CORPORATION

Developer

2003 - 2008

- Learned, maintained and extended a custom build system written in Python independently
- Designed and implemented distributed build farm software with web interface, both in Python
- Developed a real-time client/server rendering framework written in C++ on Windows in a team of developers
- Redesigned a streaming media subsystem and developed support for QuickTime
- Deployed and maintained a wiki on Linux for the development team

SELF EMPLOYED

DJ

1998 - Present

- Communicated with clients about their needs and music programming for a wide variety of events
- Developed custom, web-based music request and management system in Django
- Troubleshoot difficult technical problems under real world time constraints

Volunteer Experience

DIY AND DJS EVENT

Organizer

2009

- Organized an afternoon of music and creation with volunteers and City of Waterloo staff
- Managed the selection and scheduling of DJs and live musical acts
- Setup and tore down all the technical equipment for the event

FASS THEATRE COMPANY

President, Stage Manager

2006 - 2008

- Guided the theatre company through its successful 2008 season
- Managed the scheduling for a company of 120 actors and technicians

DIG IT EVENT

Lead Organizer

2007

- Led a team of ten to organize and run a one day music festival featuring DJs and bands
- Liaised with Student Societies, the Federation of Students and the University Administration

UNIVERSITY OF WATERLOO SENATE

Undergraduate Senator

2004 - 2005

- Served on the Long Range Planning Committee during the development of the 6th decade plan
- Worked on joint resolution to ensure the University of Waterloo would consider student debt when lobbying the Government

FEDERATION OF STUDENTS

Board Member, Councillor

2003 -2004

- Founded the UWDJ Club and arranged the acquisition of equipment for use by club members
- Reworked the election procedures to be more effective and realistic with the assistance of the committee

MATHEMATICS SOCIETY

President, Vice President Activity and Services, Volunteer

2001 - 2004

- Planned and hosted an Honorary Life Member reunion at the University Club in 2003
- Arranged for the acquisition of new furniture for the undergraduate lounge spaces

Education

UNIVERSITY OF WATERLOO

2005

- Honours Bachelors of Mathematics in Computer Science with a minor in Pure Mathematics
- Focus on Programming Languages, Graphics, and Distributed Systems in 4th year

Awards and Accomplishments

- Completed an around the world trip in 2008 visiting Japan, China, Kuwait, and part of Europe
- Alan George Award for Leadership and Contributions to Student Life, 2005
- Federation of Students' Leadership Award, 2003

Interests

Curling, Theatre, DJing, Kung-fu