CURRICULUM VITAE

Jonathon Volkmar

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Undergraduate Computer Science student at McGill University seeking internship opportunities in research and development in software and product design

SKILLS OVERVIEW

- Technical problem solving and user-focused design skills in software development
- Programming in the following languages: C#, C, Java, Visual Basic, Python, and Unix scripting
- Front and back-end web technologies including PHP, JavaScript, HTML, CSS, AJAX and MySQL

PROFESSIONAL EXPERIENCE

May 2011 – August 2011 : **Microsoft Corp.**, Redmond, WA

Program Manager Internship, Lync Mobile

- Delivery of the completed specification document for a feature to undergo development in the next wave in the product cycle
- Design of specific customer scenarios and use cases using principles of Scenario Focused Engineering
- Extensive communication within the team as well as with other teams in Lync to ensure a smooth transition from specification into development. Collaborated with development, test and design teams.
- Specified user interface and user experience design, as well as underlying technical architecture and application flow logic

June 2010 – April 2011 : **Desautels Faculty of Management, McGill University**, Montréal, QC

Research Assistant for Asst. Professor Animesh (Information Systems):

- Research and development for a web-based instant messaging application, applying concepts drawn from *media synchronicity theory* to user experience
- Design of an instant messaging server in Node JS, an open-source server-side JavaScript technology
- Development of a JavaScript tree-view UI library to be used in the instant messaging client
- Design and development of a web scraper to retrieve data from a website and store in a database for the end purpose of statistical analysis

January 2010 – May 2011 : **Infocubed**, Montréal, QC

Internship, Software Research and Development:

- Development of a prototype for an XML authoring environment add-in for Microsoft Word
- Programming in Microsoft Visual Studio, primarily in the C# language

- Experience developing proof-of-concepts for applications, prototypes, and performing tests to check feasibility of using various technologies and programming techniques
- Extensive implementation of various XML technologies, including schemas, XSL transformations, and implementation of the open-source DITA XML document specification
- Experience creating a deployable software package including a Windows installer, requiring modifying the installer template to make changes to Windows registry keys

May 2010 - Present : **Fash-Art Inc.**, Montréal, QC
 Internship, Web Development:

- Development of a news and information website designed to act as an online fashion, art, and design community, in a development team of two people
- Implementation of social networking technologies to increase connectivity with Facebook
- Design of an RSS/Atom feed aggregator to compile and share content of blogs relevant to the site's focus
- Web design and development using PHP, JavaScript, HTML, CSS, and Ajax techniques

OTHER EXPERIENCE

September 2011 – present : **VP External, Computer Science Undergraduate Society** (McGill)

- Representing the CSUS to McGill's student community and outside the campus walls.
- Organizing events such as demo days and hackathons to promote community and creativity

September 2011 – present : **Research, Learning and Reasoning Lab** (McGill University)

- Research, design, and implementation of algorithms to enable a robotic wheelchair's autonomous navigation through crowds of pedestrians

September 2010 – December 2010 : **Software for a Cause project** (McGill University/UBC)

- Development of an open-source Java project to be implemented as a Facebook application for Cystic Fibrosis Canada, as part of a pilot project for COMP 303 Software Development
- Usage of a source-control repository and team collaboration tools within a sophisticated IDE, with other McGill students as well as remotely with two teams located at UBC
- Responsibilities pertaining mostly to back-end systems such as image processing and communication with a remote build server

EDUCATION

2009-present:	Undergraduate Computer Science student at McGill University (Montreal)
2007-2009:	Student at the University of Western Ontario (London, ON) in the Faculty of Music. Two years of studies completed
2006-2007:	Studies at the French high school *Lycée Hélène Boucher*, as part of a year-long exchange through Rotary Youth Exchange International

LANGUAGES

English: Native language
French: Fluent