

# Yuri Shewchuk

## Technical Acumen

### Languages

- C#
- Transact-SQL
- HTML
- Javascript
- CSS
- C++

### Frameworks

- .NET
- ASP.NET MVC
- jQuery
- SSRS
- WinForms
- Qt

### Tools

- Visual Studio
- Microsoft SQL Server
- MSBuild
- Subversion
- Crucible
- Target Process

## Development Experience

### Intermediate Software Developer

December 2014 - Present

Armstrong Fluid Technology

#### Languages

- C#
- HTML
- JavaScript

#### Technologies

- ASP.NET MVC
- jQuery
- Less

#### Accomplishments

- Designed and led a team of 3 - 4 developers to successfully implement product upselling mechanism
- Designed and implemented a replacement for a highly-customized table user interface element

### Software Developer

December 2011 - October 2014

SeisWare International Inc.

#### Languages

- C#
- C++
- Fortran

#### Technologies

- WinForms
- .NET 4.0
- Crucible

#### Accomplishments

- Integrated and improved third party processing product leading to substantial revenue
- Assisted in upgrading SeisWare to a multi-user application for enterprise environments
- Was a key proponent of implementing code reviews throughout the development team

### Intermediate Software Developer

May 2010 - December 2011

Circle Cardiovascular Imaging Inc.

#### Languages

- C++
- Java EE
- JavaScript

#### Technologies

- QT
- OpenGL
- AJAX (jQuery)

#### Accomplishments

- Managed the complexity of DICOM integration by abstracting implementation details from API
- Developed a 2D rendering framework which was more flexible and an order of magnitude faster
- Designed and implemented a secure pay per use system which adheres to patient privacy regulations

## Software Developer

August 2008 - May 2010

inUnison Technology Service Ltd.

### Languages

- C#
- T-SQL
- Classic ASP

### Technologies

- ASP.NET
- SSRS
- SSIS

### Accomplishments

- Designed and began implementing a long term plan to upgrade their member authentication solution
- Created and configured a full 3-tier development environment using available hardware
- Maintained over 60 internal applications and over 300 reports within a very small team

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## Software Development and Testing Intern

May 2006 - August 2007

Calgary Scientific Inc.

### Languages

- C++

### Technologies

- QT
- OpenGL

### Accomplishments

- Developed a replacement for obsolete data loading and communication libraries
- Was involved in the redesign process for the flagship ResolutionMD product

## Additional Experience

### University Course Lab Designer

May 2008 - August 2008

Dr. Vahid Garousi, University of Calgary

### Responsibilities

- Planned, prepared, and documented labs for SENG 521 - Software Reliability and Testing
- Labs included topics: regression testing, unit testing, mutation testing, and test plan adequacy criteria

### Accomplishments

- The lab materials were well received, and were in use for three years of the course

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### Non-Commissioned Member

July 2004 - March 2007

Canadian Armed Forces, 33 Field Engineers Squadron

### Responsibilities

- Primary role of field engineers is to provide friendly troops with the ability to live, move, and fight while denying those abilities to the enemy
- Secondary role of field engineers is to supplement infantry forces

### Accomplishments

- Held the ranks of Private, Sapper, and Corporal before resigning to focus on my civilian career

## Education

### Bachelor of Science in Software Engineering

September 2003 - April 2008

University of Calgary

### Relevant Courses

- Software Architecture
- Introduction to Computer Graphics
- Data Structures and Algorithms
- Software Process Improvement

### Accomplishments

- Published a peer-reviewed article in the Software Engineering and Knowledge Engineering 2010 journal (Experience with Maintenance of a Functional GUI Test Suite using IBM Rational Functional Tester)