

# Zhengyi Liang (Wilson)

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## EDUCATION

### Bachelor of Science

*Grant MacEwan University 2008 – 2012*

- Computer Science major and Mathematics minor.
- Cumulative GPA 3.0, now waiting for convocation.

## GRADUATION PROJECT

### Web Based Point of Sale System

- Had been working on it part-time for 8 months graded 94.5%.
- Shared database between Point of Sale System and eCommerce website.
- JSP Server-side Scripting, Servlets on server end and JavaFX2.0 as GUI.
- Can open as webapp.
- Javascript, HTML5 and CSS rich frontend webpage decoration.
- MySQL as database backbones.
- Model-View-Controller code writing style.
- Live demo at [www.teazone.ca](http://www.teazone.ca) which also demonstrates HTML, CSS, Javascript abilities.

## SUMMER JOB

### Resurrected a Weather Forecasting Program EGRAPID

- Originally written in C, 14,000 lines long.
- Converted it in to Java with Swing GUI.
- Heavy threaded operation optimized for large data harvesting.
- Parsed XML into readable information.
- Obtained knowledge in Geology and Meteorology.

## CURRENT ACTIVITIES

### HTML/Javascript/CSS

- Trying to make website as dynamic as possible with javascript/jQuery.
- Working on a website that may ultimately turn into a project for a startup company.
- Finished a website for a machinery factory located at [www.viamachinery.com](http://www.viamachinery.com).

### Visual C#

- Converting my graduation project into C# Form with .NET framework.
- Developing Point of Sale software for clinical environment.
- Experimenting 3D game implementation with Unity engine.

### ASP.NET

- Exploring MVC model in web development with C#.

## JSP

- Learning Spring, Struts framework.
- Enhancing Filter usage skills.
- Writing more efficient and customized Servlet for remote method invocation.

## EXPERIENCE

### Experience:

- C, Java, CSS, HTML, SQL.
- C++, C#, JavaScript, JSP, PHP.
- Model-View-Controller software design.
- Dynamic 3D rendering with OpenGL and C, texture mapping and matrix transformation.
- Small device operation script implementation based on C language: EMSPCC11 (MSP430 microcontroller by Texas Instrument).
- Game design and AI implementation using Java.
- eCommerce website design with MySQL database backend, supporting online shopping.

### Experience from Honor Computer Systems:

- Computer repair including Windows and Linux systems.
- Laptop/PC disassembly and assembly.
- Customer services.
- Hardware failure detection.
- PHP code modification for online shopping feature on company website.

## EMPLOYMENT HISTORY

### Computer Technician

*January, 2012 – Current*

- Location: Honor Computer Systems (both south and west stores).
- Built great relationship with customers.
- Helped managing the entire store.
- Improved PHP skill by making changes to the store website (www.honorcomp.com).

### Food Handler/Cook

*March – October, 2009*

- Location: Mongolian Indulgence, 270 Baseline Rd #182, Sherwood Park.
- Increased cooking production during rush hours.
- Established great friendship with coworkers.

### Grocery Stocker

*January – June, 2008*

- Location: Save On Foods, 10180 109 St NW.
- Obtained experience about handling customers and getting along with people.
- Exercised memorization the first few days about product location.

***Reference available upon request***