

# MINGYE WANG

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## EDUCATION

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### University of Toronto

Honours Bachelor of Science 2012 – 2016

- Computer Science Specialist

Courses taken: Software Design, soft tools and system programming, data structure and analysis, Algorithm Design and Analysis, Introduce to Database, Programming on the Web, Operating System, Artificial Intelligence, Machine Learning, Natural Language processing.

## SKILLS

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### Technical

- Programming: C/C++, Java, JDBC, Python, Shell, Verilog, MySQL, XQuery, R, MatLab, JavaScript, HTML, PHP, JQuery, RESTful API, AngularJS and CSS
- Application: Android Studio, Microsoft Office, Wing, Eclipse, Django, GitHub
- System: Windows, Mac OS, Linux/Unix
- Other Technical Skills: Amazon Web Services, Android App Developing, SVN, Bash, Design Patterns, Data-processing logic, TCP/IP, networking architecture, Client/Server, Design patterns.

### Interpersonal

- Good problem solving skills developed through school assignments and projects
- Gain great time management skills through the four years' study in U of T
- Strong Ability to adapt and deal with new techniques

## PROJECTS

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### Team Leader, Android application development

- An app for the doctors and nurses to record and review patients' information
- Using CRC cards to identified the functions, variables and the module for this app

- Implement the application with Eclipse and Android SDK
- Finish the frontend such that all the data can be saved and uploaded from a text file.

#### **Team Member, Webapp: Food Truck**

- A web application for the people who would like to buy food from the Food Trucks including front end and back end(Laravel).
- Implemented by Mui framework, using technology including JavaScript, CSS, HTML, JQuery, push notification and Ajax.

#### **Implementer, Sudoku Solver(Python)**

- Solving a 9 \* 9 Sudoku a remarkable speed.
- Using GAC algorithm to solve the interesting small game in real life, such as Sudoku, Puzzle and so on.

#### **Team Member, website for the use of Synergy Space**

- A fully-functional co-working space rental website including front-end (HTML5, CSS3, Bootstrap framework, AngularJS, JQuery) and backend (PHP, Yii Framework, MySQL) wherein users can list and rent shared working environments, as well as discover new collaboration opportunities.

#### **Implementer, Machine Learning, Face recognition (Python & MatLab).**

- Given 10,000 test images, and recognize the expression of people in the image
- Using several classifiers (k-nn, logistic, support vector machine, Neural network) to predict the data gained from the images. Choosing the expression for the image with the highest probability.
- The accuracy reach 80%.

#### **Implementer, Personal Website**

- Using Django framework and python to implement, including front end and back end.
- Using techniques including CSS, HTML5, Bootstrap, JQuery, JavaScript and SQLite.
- Deploying online by using Amazon Web Services.

## **Working Experience**

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### **Web Developer**

Metrics China. Ltd - Beijing, China - July 2016 to December 2016

- Worked on both front-end and backend, under Agile SDLC.
- Maintained and created new server side operations.
- Retrieved and handled data from database.
- Developed new functionalities to front end.
- Technologies: CSS, HTML, JavaScript, JQuery, Ajax, PHP, MySQL and Larval Framework.