

# Mengyi Gong

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## Summary & Objective

Master Degree in Computer Science. Innovational Software Developer with great experience in web programming, UX/UI design and Testing. Pursue a challenging career in Software development.

**Specialties:** *Web Programming, Front-end, UI/UX Design, Android, Unit Testing and Agile Process*

## Work Experience

**Micro Technology Company** Shenzhen, China May 2013 – Aug. 2013

### Android UX/UI Development Intern

- Designed and developed the layout of a video application using **Android SDK** and **Eclipse**.
- Assisted senior developers with Unit Testing on the mobile application by using **JUnit** testing framework.

**Eastern Washington University** WA, USA Aug. 2011 – Jan. 2012

### Teaching Assistant - Computer Science Department

- Taught C, C#, Java programming in the computer lab of EWU.
- Tutored the undergraduates to solve problems within their projects regarding.

## Projects

**EAccount** Apr. 22 2014 – May. 12 2014

- Design and develop a banking system for personal use by **Bootstrap (HTML5 CSS3)**, **JavaScript**, **Jquery**, **Node.js** and **MangoDb**. Using **Photoshop** design the pictures and logo.
- Different user could log in to their personal account by using **Ajax**, and they can switch among personal info setting, account view, alter line setting, calendar and account note view tags. And also set the cookie.
- The entire account summary will show as dynamic graphic (bar chart, pan chart and line chart) to clear show the spending (by category, time), income and the overall view.

**Multi-Channel Chat** Mar. 24 2014 – Mar. 25 2014

- Design and develop a chat room by using **socket.io Framework** and **NodeJS** and **HTML5/CSS3**.
- Different user could log in to see all users and all chat rooms by using **Ajax**

**Foodie** Aug. 2013 – Dec. 2013

- Design and develop the front-end of the system using **JavaScript**, **JQuery**, **Google Map API**, **Bootstrap Framework** and **HTML5/CSS3**.
- Integrated the system with a web service using **RESTful** call and fetched data by parsing **JSON** flows.

**Medical Information System in Cloud (AWS)** Aug. 2013

- Designed and implemented Domain Model, Persistence Layer, and Data Access Layer with design patterns.
- Conducted Data Modeling including **XML Schemas**, object-relational modeling (**ORM**).
- Established the **Linux**, **Glassfish**, and **PostgreSQL** environment on the Amazon EC2.
- Implemented **SOAP Web Services** and deploy it on **EC2**. Developed a client application using the web services **WSDL**.

**HTTP Web Server** Feb. 2013 - May. 2013

- Developed a HTTP web server using C under the Linux environment.
- Implemented the functionalities to handle requests from Browser through HTTP operations.

**College Students' Physical Examination and Health Evaluation Management System** Jan. 2012 - July. 2012

- Programed Java application to gather, manage and analyze the results of students' physical examinations. Implement the front-end of the system using **HTML**, **CSS**, and **Javascript**.

**Maze video game board** March. 2011 - June. 2011

- Implemented a maze video game board with VGA output and PS/2 keyboard input based on Xilinx Spartan 2 FPGA and Verilog.
- Implemented LED digital tube on the FPGA board to display remaining time. Installed multifunctional buttons for inputting time limit and selecting maze maps.

## Education

**Stevens Institute of Technology** Master of Science in Computer Science Aug. 2012 – May. 2014

**Eastern Washington University** Bachelor of Science in Computer Science Sept. 2008 – May. 2012

## Honor & Awards

Outstanding Graduate Scholarship, awarded by EWU June, 2012

## IT Skills

**Languages:** Java, C/C++, JavaScript/JQuery, HTML5/CSS3, PHP, SQL and UNIX Shell Scripting

**IDE:** Eclipse, Visual Studio, Photoshop cs6 **Database:** Oracle, SQL Server, MySQL, MongoDB and PostgreSQL.

**Framework:** Bootstrap, Junit, NodeJS