

# Maidi Lin

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## QUALIFICATIONS

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- Experience in Java for 4 years developed through programming courses and self-study
- Experience in C#.NET, JavaScript, HTML, CSS, Bootstrap, SQL while being a Computer Program Intern
- Developed problem solving skills while coding and debugging as Computer Program Intern and participating in case studies in DECA
- Showed teamwork and communication skills when actively participating in Scrum meetings
- Fast learner, hard-working and able to work both independently and in groups shown through working well with small software development team to produce a finished website for users in Trench Group

## EMPLOYMENT HISTORY

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### **Computer Programming Intern**, Trench Group, Toronto, ON, 2014

- Cooperated with small software development team for converting company program to an internal website for ease of access and more user friendly interaction
- Converted program in Fortran to C#.NET to employ object oriented programming and used LINQ and Generics for organization and simplification of the Fortran program
- Employed MVC (Model View Controller) structure for the website design and used C#.NET for the models and controllers on Visual Studio
- Created the views and outputs using HTML, CSS, JavaScript, Bootstrap, JSON and XML
- Communicated with team members during daily Scrum update meetings and participated in biweekly Scrum planning meetings
- Retrieved information from SQL server database for program calculations
- Developed problem solving skills when debugging and implementing the functionality of the program-
- Used Team Foundation Server to coordinate tasks among members and update the status of each task
- Used TortoiseSVN and Team Foundation Server for source control

## EDUCATION

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### **University of Waterloo**, Waterloo, ON, 2013-Present

- Candidate for Bachelor of Applied Science, Computer Engineering
- **Relevant completed courses:** Fundamentals of Programming (C#), Engineering Design and Embedded Systems (Java, UML, Software Development Cycles and Methodologies), Linear Circuits, Digital Circuits and Systems (VHDL)
- **Relevant courses in-progress:** Digital Computers (ARM assembly language programming), Electronic Circuits 1, Algorithms and Data Structures (C++), Advanced Calculus (MATLAB)

## RELEVANT EXPERIENCES AND PROJECTS

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### **BattleHack Hackathon**, Paypal, Toronto, ON, 2014

- Designed a money management app using PayPal APIs with the function to scan your credit card and pay charities on command
- Used GitHub for source control

### **Android App**, Embedded Systems Lab, 2013-present

- Learning the processes of developing Android apps using Java and XML by using Eclipse as an IDE
- Developed a pedometer Android app by utilizing filters and finite state machines

**Doctor-Patient Menu Project, Computer Science, 2011-2012**

- Implemented object orientated design for a database program
- Utilized inheritance and polymorphism for program flexibility and for adding additional features if needed
- Used a variety of sorting and searching algorithms including recursive sorting, such as quick sort
- Used UML diagrams for planning stages and Copy-Modify-Merge version control to work simultaneously

**Vice President of Information Technology, As We Grow, Toronto, ON, 2012-2013**

- Joined Junior Achievement company, As We Grow, to expand business knowledge and increase experience
- Developed a website using HTML, CSS and Weebly to promote the company's product which resulted in an increase of sales and communication with clients
- Placed 4<sup>th</sup> overall for website design of companies in the Toronto Junior Achievement Division
- Produced documents with team for the production of Excel, Word and PowerPoint files for storing information and creating agendas for company meetings which saved time overall for the team

**DECA, A.Y. Jackson S.S., Toronto, ON, 2012-2013**

- Learned speech and communication skills to deliver strong and persuasive presentations
- Studied business case studies of various business situations and presented mock presentations with fellow members which resulted in ranking top 10 for oral presentation at provincials

**AWARDS & NOMINATIONS**

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**TORCH Operations Research Challenge 3<sup>rd</sup> and 4<sup>th</sup> place, University of Toronto, 2012-2013**

- Solved complex questions by applying engineering, mathematics and computer science techniques

**25<sup>th</sup> Percentile for Pascal, Cayley, Fermat and Euclid Math Contests, University of Waterloo, 2009-2013**

- Solved variety of complex math problems through means of algorithms and mathematical methods

**25<sup>th</sup> Percentile for Canadian Computing Competition, University of Waterloo, 2011-2012**

- Solved variety of programming questions using recursive algorithms and other functions

**ACTIVITIES & INTERESTS**

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- Computer programming, computer/video gaming, soccer, tennis, playing jazz music