

# Mingze Lin

3B Computer Science | U.S. Residence  
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## EDUCATION

### UNIVERSITY OF WATERLOO

CANDIDATE BACHELOR OF

COMPUTER SCIENCE (CO-OP)

Expected Fall 2021 | Waterloo, ON

All terms received above Good Standing

## SKILLS

### PROGRAMMING

Experienced:

Java • JavaScript • Python

C++ • C • Linux • Git

Familiar:

Spring • JQuery • Hadoop DFS

Oracle • SQL • Android • AJAX

JSP • HTML5 • CSS3 • MIPS

### SOFT SKILLS

- Self-motivated and Eager to Learn
- Strong Communication Skills
- Qualified Time Management Skills
- Quick Adaption to New Technologies

## LINKS

View My Intro Page

Github: <https://github.com/mingzelin>

## AWARDS

- President's Entrance Scholarship (September, 2016)
- Individual Award, Euclid Mathematical Contest (September, 2016)
- National Engineering Challenge Superior Award (2016)
- Advanced Placement Computer Prize, Lakefield College (2016)

## SOCIETIES

Certified International Volunteer

- Passionate on organize cultural programs in Indonesia and help to build schools in Ecuador in 2018 Aug.

Cross Runner Group

- Attend International Marathon in Yunnan China in 2018 June

Model United Nations

- Attend model UN held by U of T annually

## ADDRESS

- 458 Timbercroft Crescent, Waterloo

## EXPERIENCE

### CIBC ENTERPRISE DATA TECH | DEVOPS ENGINEER

Jan 2019 – May 2019 | Toronto, NO

- Revamped internal Operational Dashboard for the Co., added alerts, webapp components, intelligent workflow and pipelines for data from HDFS
- Automated pipelines for code deployment with Python and Shell Script
- Managed and improved HDFS infrastructures e.g. backups, patches, scaling
- Enhanced knowledge on Hadoop DFS ecosystem e.g. YARN, Impala, Sentry and gained experience on security access maintenance

### HELIAN SMARTAUTO INFO SYSTEM | BACK-END DEVELOPER

July 2017 – Oct. 2017 | Beijing, China

- Developed Spring Controller Classes and configured with correspondent JSP
- Developed complex Servlet to handle HTTP requests
- Fostered java beans to retrieve warehouse information from MySQL Database
- Learned front-end development skills with JavaScript, HTML/CSS
- Gained Experience in Full Stack Web Development with Spring Framework and greatly improved debugging skills

### PANDA ELECTRONICS | QUALITY ASSURANCE

July 2016 – Sep 2016 | Nanjing, China

- Identified software development issues by using various black box testing skills
- Tracked the status of defects and provided a report during daily meetings

### LAKEFIELD COLLEGE SCHOOL | STUDY CENTER ADMINISTRATOR

Sep 2015 – June 2016 | Lakefield, ON

- Coordinated college events and administrated Study Center

## PROJECTS

### OS161 KERNEL | CS 350 FINAL PROJECT

- Implemented the kernel with C, including self-designed locks, system calls and virtual memory system
- Built a solid understanding of the kernel's mechanism, received 95+

### WLM COMPILER | CS 241 FINAL PROJECT

- Fully Fledged built with C++ and function as a subset of C
- Contained Lexical, Syntactical and Semantic Analysis, obtained strong understanding on compilers, received 95+

### QUADRIS GAME | CS 246 FINAL PROJECT

- Built with C++ & adopted MVC pattern, Observer Pattern and Factory Method Pattern. Developed deep understanding of OOP concepts.
- Thoroughly tested the program with extreme care
- Lead the team and solo handled 70% of the work, received 85+

### AVALON (UNDER CONSTRUCTION) | FORUM FOR FUN

- Built with JSP, JavaScript, Java, and MySQL
- Finished user registration and log in/out features