

# Alice (Aili) Zou

1830 Main Street West #608, Hamilton, Ontario, L8S 1H5, Canada

☎ (+1) 905-962-8956 | ✉ alicezou05@gmail.com | 🏠 alicezou.me | 📱 Alicehappy | 🌐 ailizou

## Summary

Recent graduate with master's degree in computer science. 1+ years experience of full stack development, specializing in Node.js, Angular2/4, HTML5, CSS. Super nerd who loves Linux and OS X and enjoys customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

## Education

**McMaster University** MASTER IN COMPUTER SCIENCE (GPA: 3.8)

2015 - 2017 *Hamilton, Canada*

**McMaster University** VISITING STUDENT IN THE DEPARTMENT OF COMPUTING AND SOFTWARE

2014 - 2015 *Hamilton, Canada*

## Highlighted Qualifications

- Highly motivated; good problem solving, time management and communication skills
- Solid computer science knowledge and programming skills
- Good team player

## Work Experience

### DF/Net Software

*Dundas, Canada*

SOFTWARE DEVELOPER

*Jan. 2018 - Present*

I am a core member in the software development team that is responsible for creating a Clinical Trials Data Management System. My focus is on the web development side of building the next generation of our product. I am also maintaining and documenting our legacy code which mainly uses AngularJS and Bootstrap.

### McMaster University

*Hamilton, Canada*

RESEARCH ASSISTANT

*July. 2017 - Nov. 2017*

My responsibility is to design a web-based visualization platform for Canarie Intrusion Detection System, which uses a PAC (Presentation-Abstraction-Control) software design architecture. I use Node.js as the backend, Angular, HTML5, CSS3 and Material Design Lite as the frontend, and Elastic stack (File beat, Logstash, Elasticsearch, Kibana, TLS connection, RabbitMQ) as the database search solution. Log source files come from the Bro Intrusion Detection System.

### McMaster University

*Hamilton, Canada*

TEACHING ASSISTANT

*Jan. 2016 - Apr. 2017*

Courses taught: Communications Systems, Signals and Systems, Real-Time Systems and Control Applications, Concurrent Systems, Dynamic Models and Control of Physical Systems, and Embedded Systems Design II

## Professional Skills

**Programming** Java, MySQL, Node.js, Angular, Javascript, Python, HTML5, CSS, C/C++/VC++, Elasticsearch, Matlab

**Photo editing** Photoshop, gimp

**Presenting/Teaching** Education 750: Principles and Practices of University Teaching. (Certificate in 2015 from McMaster)

## Publications

Zou, A. & Down, D. (2018). Asymptotically maximal throughput in tandem systems with flexible and dedicated servers. *Asia-Pacific Journal of Operational Research*, 35(05), 1850038-1-1850038-15. doi:10.1142/S0217595918500380

## Talks

## Honors & Awards

---

2016    **Keith Leppmann Teaching Assistance Excellence Award**, McMaster University

*Hamilton, Canada*

## Service and Outreach

---

### Engineering Graduate Society (EGS), McMaster University

*Hamilton, Canada*

STUDENT LIFE AND INTERNATIONAL OFFICER, AS A REPRESENTATIVE OF COMPUTING AND SOFTWARE DEPARTMENT

*2016*

### Life In Computing & Software (LICS), McMaster University

*Hamilton, Canada*

CO-FOUNDER AND INTERNAL/EXTERNAL VICE-PRESIDENT

*2016*

- club for improving the study and life of graduate students in Computing and Software department

## Volunteering

---

2016    **Volunteer**, Fall Preview Open House (Department Showcase); informing prospective students and parents about programs and student life in Computing and Software Department.

*McMaster Univ.,  
Canada*