

# Alice (Aili) Zou

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## Summary

Current new graduate with master degree of 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

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

**McMaster University**

*Hamilton, Canada*

TEACHING ASSISTANT

*Jan. 2016 - Apr. 2017*

Course 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

**McMaster University**

*Hamilton, Canada*

RESEARCH ASSISTANT

*July. 2017 - Jan. 2018*

Responsibility: Design visualization platform for Canarie Intrusion Detection System. Use Node.js as backend technology; Angular 2/4, HTML5, CSS and Material Design as frontend technology; Elasticsearch, MongoDB as database solution. Create PAC software architecture for the whole system to allow easy scaling ability.

## Professional Skills

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

**Photo editing** Photoshop, gimp

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

## Publications

Aili (Alice) Zou and Douglas Down. "Asymptotically maximal throughput in tandem systems with flexible and dedicated servers". In: *Asia-Pacific Journal of Operational Research* (2018). Submitted.

## Talks

**CanQueue 2016 Conference, McMaster University**

*Hamilton, Canada*

ASYMPTOTICALLY MAXIMAL THROUGHPUT IN TANDEM SYSTEMS WITH FLEXIBLE AND DEDICATED SERVERS

*Aug. 2016*

## Honors & Awards

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

*Hamilton, Canada*

## Service and Outreach

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

*Hamilton, Canada*

STUDENT LIFE AND INTERNATIONAL OFFICER, AS A REPRESENTATIVE OF COMPUTING AND SOFTWARE (CAS)

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

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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*