

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 (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

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

McMaster University

Hamilton, Canada

RESEARCH ASSISTANT

July. 2017 - Jan. 2018

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.

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

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

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*