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 - 2016 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, Java, Python, SQL, HTML5, CSS, C/C++/ VC++, Matlab, Maple, Javascript
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 (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

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*