Shela Qiu

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SUMMARY

- Experience with software development in a professional environment
- Experience with collaboration in small dynamic team environments
- Working proficiency with Java, experience with HTML, JavaScript, SQL, and C/C++

EDUCATION

Bachelor of Software Engineering, University of Waterloo   **2016 – present**
- Admission average: 97%, recipient of the President's Scholarship of Distinction

TOPS Program, Marc Garneau Collegiate Institute   **2016**
- One of 60 students out of 500+ applicants accepted to attend accelerated math and science program
- Scored in the 98th percentile of the SAT

PROJECTS

Loblaws Messenger, Hack the North Project   **September 2016**
- Collaborated on a Facebook Messenger bot using the Loblaws API and Node.js, in which the user can search and buy groceries with instant messaging
- Won the API prize for Loblaws

Wind Tunnel, AP Physics Project   **November – January 2016**
- Developed real-time computational software to analyze the lift, drag and wind speed in the tunnel 3D space
- Used Java, Arduino, and Ardulink to interface between the hardware and software

WORK EXPERIENCE

High School Intern, Biomarker Imaging Research Laboratory (Sunnybrook Research Institute)   **Summers 2015 – 2016**
- Planned and conducted software testing for the online database being developed in the lab
- Cut front-end development time of an online application to 1/4th by automating the process of creating HTML forms (using Excel VBA and the Alpaca JavaScript library)
- Automated data migration and data validation processes by programming macros in Microsoft Access and Excel using VBA

EXTRACURRICULAR ACTIVITIES

Co-President of Youth Council, Carefree Lodge Long Term Care Home   **2013 – 2016**
- Planned bake sales, concerts, arts and crafts, and other activities for 130 residents
- Over 200 hours of volunteer service
- Recipient of the Excellence in Volunteering Award from the City of Toronto

President, TOPS Webteam   **2013 – 2016**
- Responsible for coordinating weekly updates to the TOPS website (www.topsprogram.ca) about student activities
- Responded to email inquiries from parents and students regarding the TOPS program

Director of Print Development, *The Reckoner* (Independent Student Newspaper)   **2012 – 2016**
- Oversaw the training and management of the Print Development board, and collaborated with a small executive team in producing bi-monthly 8-page issues
- Runner-up for "Best Layout" and winner for "Best Ontario Student Newspaper (Overall)", at the *Toronto Star* Ontario High School Newspaper Awards
- Work available for review at issuu.com/the-reckoner

ACTIVITIES AND INTERESTS

- **Named National AP Scholar with Honor (Canada) by College Board:** Top score in AP Computer Science, AP Calculus BC, AP Statistics, AP French Language and Culture, AP Biology
- **Women in Engineering – Arduino Introduction Workshop:** Volunteer, helped participants complete a series of challenges using the Arduino board
- **Interests:** Soccer (intramural team captain), hiking, art projects