

# FATIMA TAJ

ftaj@edu.uwaterloo.ca · github.com/fat1996 · fatimataj.github.io

## TECHNICAL SKILLS

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**Programming Languages:** Python · C · C++ · Racket · HTML/CSS · JavaScript  
**Software/Technologies:** Git · SVN · Unix · JIRA · Confluence · MS Visual Studio  
**Other:** Agile Methodology (SCRUM)

## WORK EXPERIENCE

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### Vigilant Global - A DRW Company

*January - April 2018, September - December 2018*

Software Engineering Intern

- Added new features to the test automation framework in Python, and conducted unit and integration testing for each release cycle.
- Setup a PostgreSQL database to store test results, and automated weekly test report generation on Mattermost.
- Created interactive plots for bug reports using Plotly, and added Wrike integration to help developers view current status of bug.
- Used smoothing methods like local regression to capture the overall trend at which bugs are being processed to help check if bug discovery and resolution rates were declining over time.

### University of Waterloo

*August - September 2018*

Airport Pick-Up Captain, International Orientation

- Assisted with day-of logistics, managed volunteers, provided customer service and support for International students arriving at Pearson International Airport.

### University of Waterloo

*May - June 2018*

Area Coordinator - You@Waterloo Day

- Delivered training sessions for Residence Ambassadors, and effectively led a team of 7-8 Residence Ambassadors at Open House.

### Peraso Technologies

*May - August 2017*

Validation Engineer

- Added new features to the test automation framework in C/C++, and conducted regression testing for each release cycle.
- Analyzed automated regression results to report bugs/defects, created detailed reports and ensured all automated tests were running smoothly during Continuous Integration.

### Toronto District School Board

*May - August 2016*

Website Production Support

- Provided direct client support, including web page updates, survey/form development and performed website maintenance using the CMS tool, DotNetNuke.

### University of Waterloo

*January - December 2016*

Residence Ambassador

- Responsible for giving weekly tours of rooms, suites and residence facilities as part of the University of Waterloo's right FIT program.

### University of Waterloo

*August - September 2016*

Student Facilitator - Out of Province and American Orientation

- Effectively created and delivered presentations and assisted with event logistics.

## EDUCATION

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### University of Waterloo

*2015 - 2019*

Candidate for Bachelor of Mathematics, Honours. Expected 2019.

## ACTIVITIES AND VOLUNTEER EXPERIENCE

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### StarCon: Co-Director of Logistics

*August 2017 - Present*

### Women in Computer Science Undergrad Committee

*Fall 2016 - Fall 2017*

## AWARDS AND SCHOLARSHIPS

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- **WiCS Grace Hopper Scholarship** *July 2016*
- **B.P. Dammizio Computer Science Entrance Scholarship** *Fall 2015*
- **University of Waterloo President's Scholarship of Distinction** *Fall 2015*
- **Commonwealth Essay Competition**  
Gold(2011) · Silver(2012) · 2 Bronze Medals(2013 · 2014)