

# Stephen W. Askew

**Stephen W. Askew**<https://www.stephenaskew.ca>

Email : stephenwaskew@gmail.com

Mobile : +1-226-348-0592

## SKILLS SUMMARY

**Languages***Python; Bash; MySQL; React; Java; JavaScript; C; R; Postgres;***Passionate About***Automating Tasks; Data; Visualization*

## EXPERIENCE

**University of Waterloo***Instructional Apprentice*

Waterloo, ON

*Present*

- Automated the marking of assignments.
- Marking tests and assignments.
- Organizing the marking of assignments by TA's.

**Intellitix***Data Science Intern*

Chatham, ON

*Fall 2017*

- Created and managed ETL/data integration pipeline for Microsoft SQL to MySQL for ClickHouse database.
- Developed and maintained data visualization dashboard in R.
- Automated bulk load of partner data into AWS MySQL database using Python and Bash.
- Implemented bash script to calculate/summarize data from multiple reports for management.

**University of Waterloo***Teaching Assistant*

Waterloo, ON

*Fall 2016*

- CS488 Computer Graphics, CS136 Elementary Algorithm Design and Data Abstraction, CS137 Programming Principles

**Technology Non-Profit***Development Intern*

Windsor, ON

*Summer 2016*

- Researched, designed, and built visualization tools for large datasets using React.
- Developed robust and maintainable code using ReactJS, Redux, and RESTful APIs.

## PROJECTS

**Information Retrieval**

- Parsed PubMed for 700,000 key terms using Python. Determined relevant articles using continuous active learning.

**Automated Restaurant Reservations**

- Program to automatically check availability and book dining reservations using Selenium, Python, Chrome and Crontab.

**Deal Finder**

- Program to track products of the users choice. When a promotion occurs for the product the user is notified via text message. Created using Selenium, Python, Twilio and Crontab.

**Photo RGB App**

- Application allowing a user to take a photo and then uploads to AWS using React-Native, Python, AWS and Firebase. After upload Python runs on the backend to retrieve and RGB values in photo.

## EDUCATION

**University of Waterloo***Masters of Mathematics: Computer Science*

Waterloo, ON

*Expected Graduation August 2018*

- Member of the Natural Phenomenon Simulation Group.

**University of Windsor***Bachelors of Computer Science*

Windsor, ON

*Graduated August 2016*

- Graduated with Honors