

# Stephen W. Askew

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

Email : [stephenwaskew@gmail.com](mailto:stephenwaskew@gmail.com)  
 Mobile : +1-226-348-0592

## SKILLS SUMMARY

### Languages

*Python; Bash; SQL; C; React; Latex; MatLab; Java; JavaScript; R;*

### Passionate About

*Automating Tasks; Data Visualization.*

## EXPERIENCE

### Intellitix

*Data Science Intern*

Chatham, ON

*Fall 2017*

- Created and managed ETL/data integration pipeline for Microsoft SQL to MySQL for a 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 a bash script to calculate/summarize data from multiple reports for management.

### Hackforge

*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.

### University of Waterloo

*Instructional Apprentice and Teaching Assistant*

Waterloo, ON

*Fall 2016*

- CS230 Intro to Computers, CS488 Computer Graphics, CS136 Elementary Algorithm Design, CS137 Programming Principles.
- Managing marking of assignments by TA's, Marking assignments and tests, Providing feedback to students.

## PROJECTS

### Information Retrieval

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

### 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 upload to AWS using React-Native, Python, AWS and Firebase. After upload Python runs on the backend to retrieve the RGB values in photo.

### Automated Restaurant Reservations

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

### Software Defined Networking

- Comparison of topologies to improve energy efficiency and right sizing of traffic with SDN using Ryu, MiniNet and OpenFlow.

## EDUCATION

### University of Waterloo

*Masters of Mathematics: Computer Science*

Waterloo, ON

*Expected Graduation August 2018*

- Member of the Natural Phenomenon Simulation Group.
- Research focus on the *in silico* simulation of cyanotic skin appearance.

### University of Windsor

*Bachelors of Computer Science*

Windsor, ON

*Graduated August 2016*

- Graduated with Honors
- Vice President of the Big Endian Club