

Stephen W. Askew

Software Engineer

Stephen W. Askew

<http://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** Waterloo, ON
Instructional Apprentice *Present*
 - : Automating Marking, Marking Tests and Assignments, Scheduling Meetings and Organizing.
- **Intellitix** Chatham, ON
Data Science Intern *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** Waterloo, ON
Teaching Assistant *Fall 2016*
 - : CS488 Computer Graphics, CS136 Elementary Algorithm Design and Data Abstraction, CS137 Programming Principles
- **Technology Non-Profit** Windsor, ON
Development Intern *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 upload to their account using React-Native, Python, AWS and Firebase.

EDUCATION

- **University of Waterloo** Waterloo, ON
Masters of Mathematics: Computer Science *Present*
 - : Member of the Natural Phenomenon Simulation Group.
- **University of Windsor** Windsor, ON
Bachelors of Computer Science *Graduated August 2016*
 - : Member of Bioinformatics Group.