Stephen W. Askew

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SKILLS SUMMARY

Languages
Python; Bash; SQL; C; React; Java; JavaScript; R;

Passionate About
Automating Tasks; Data Visualization;

EXPERIENCE

Intellitix Chatham, ON
Data Science Intern *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.

University of Waterloo Waterloo, ON
Teaching Assistant *Fall 2016*

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

Hackforge 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.

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.

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

EDUCATION

University of Waterloo Waterloo, ON
Masters of Mathematics: Computer Science *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 Windsor, ON
Bachelors of Computer Science *Graduated August 2016*

- Graduated with Honors