Stephen W. Askew

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SKILLS SUMMARY

Languages

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

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   *Present*

- 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
- Vice President of the Big Endian Club