

## SKILLS SUMMARY

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### Skills

*Unit Testing; Big Data; OOP; GitHub; Rest APIs; Networking; React; Selenium; Google Cloud; AWS; NoSQL;*

### Languages

*Python; Bash; MySQL; C; Latex; MatLab; Java; JavaScript; HTML; CSS; R;*

### Passionate About

*Data Engineering; Automating Tasks; Data Visualization;*

## EXPERIENCE

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### University of Waterloo

*Visiting Researcher*

Waterloo, ON

*Fall 2018*

- Use of computer simulations to improve the detection and diagnosis of medical conditions.
- Perform analysis of spectral reflectance data using Python, MatLab, Bash and Latex.

### 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.
- Coordinating marking of assignments by TA's, marking assignments and tests, providing feedback to students.

## PROJECTS

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### Information Retrieval

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

### 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.

### 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.

## EDUCATION

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### University of Waterloo

*Masters of Mathematics: Computer Science*

Waterloo, ON

*August 2018*

- Member of the Natural Phenomena Simulation Group.

### University of Windsor

*Bachelors of Computer Science*

Windsor, ON

*August 2016*

- Graduated with Honors.