

# Ryan Zegray

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## EXPERIENCE

### IBM – Software Developer, Voice Agent with Watson

Markham, Ontario, May 2019 – Present

- Contributed to both the React.js frontend and the Node.js backend for the Voice Agent with Watson service on IBM Cloud.
- Developed internal monitoring / support tooling used to help diagnose issues and ensure the service fulfilled its uptime requirements. (Node.js, React.js, Redux)

### IBM – Software Developer Intern, Voice Agent with Watson

Markham, Ontario, May 2017 – August 2018

- Worked on the backend logic for the creation, deletion and modification of voice agents using Node.js and CouchDB / IBM Cloudant.
- Developed reusable, globalized React.js components for Voice Agent with Watson's customer facing dashboard.
- Designed and developed a reusable Node.js module used to manage encryption keys and interact with the IBM Key Protect service through its REST API.

### Realstar Management – Summer Student

Toronto, Ontario, May 2016 – August 2016

- Assisted the marketing department with the deployment of a new online resident portal.

## EDUCATION

### Western University – Bachelor's Degree, Honors Specialization in Computer Science

London, Ontario, September 2014 – April 2019

- Overall Average: 90%
- Deans Honor List, Western University In-Course Scholarship Year III

## NOTABLE PROJECTS

### Library Capacity App (JavaScript, React Native, MobX, Node.js, MongoDB)

<https://github.com/rzgry/Library-Capacity-App>

- React Native application that displays how busy the major libraries at Western University are.
- Collaborated with Western Technical Services to develop a Node.js backend that collected wireless router usage information to generate estimates of library capacity.

### Fashion MNIST CNN (Python, Jupyter, Keras, Pandas)

<https://github.com/rzgry/fashion-mnist-cnn>

- Convolutional neural network built with Keras to classify images from the fashion MNIST dataset.

## SKILLS

- **Languages:** JavaScript (ES6+), Python, Java
- **Front end:** HTML, CSS, React.js, React Native, Redux, MobX
- **Back end:** Node.js, Express, NPM, SQL and NoSQL databases
- **Miscellaneous:** Git, data structures, algorithms, cloud computing, agile development