

Jake Raw

Computer Engineer

Personal Info

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Website

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GitHub

https://github.com/jraw96

LinkedIn

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Programming Languages

Javascript/Typescript, HTML/CSS

Java, Python, C++

VHDL, Assembly

Programming Technologies

Node.js, Java Spring Framework

Angular 2.+, React.js, Redux

Keras, Tensorflow

MongoDB, PostgreSQL, Elasticsearch

Mocha, Chai, Jasmine

Programming Concepts

Object Oriented Programming

Cloud Computing

Functional Programming

Unit/Integration Testing

Version Control (Git)

Experience

2019-08 - present	<div>Full Stack Developer</div> <div>RBC Royal Bank (Toronto)</div> <div>Tech Stack: <u>Node.js, Angular 7 with NgRx: Reactive State Management (Redux)</u></div> <div>- Developing a new full stack application to automate risk assessment</div> <div>- Integrating both new and legacy web services into one interface</div> <div>- Working significantly with designers and product owners</div>
2018-05 - 2018-08	<div>Amplify Software Developer Co-op</div> <div>RBC Royal Bank (Toronto)</div> <div>Tech Stack: <u>Node.js, React.js, Elasticsearch, Logstash, Kibana</u></div> <div>- Designed a new backend infrastructure to securely access and perform analyses on large datasets, accelerating recovery times for incorrect payments</div> <div>- Awarded a provisional patent for the algorithm implemented in my error detection strategy by the Bill Payment Recovery team</div>
2018-06 - 2018-08	<div>Full Stack Developer Contractor</div> <div>StoryFlow (Toronto)</div> <div>Tech Stack: <u>Node.js, React.js, Amazon Web Services</u></div> <div>- Configured in-skill purchasing within the Voiceflow Amazon Alexa application</div> <div>- Wrote AWS Lambda Functions for API communication between the Amazon Echo and Node.js backend server; reducing latency</div>
2018-01 - 2018-04	<div>Full Stack Developer Co-op</div> <div>RBC Royal Bank (Toronto)</div> <div>Tech Stack: <u>Java Spring Framework, Zuul gateway service, Angular 5, PostgreSQL</u></div> <div>- Worked on developing RESTful APIs and authentication mechanisms for RBC Backpack</div> <div>- Optimized front to back-end database queries to improve user experience on Backpack's dynamic web pages</div>
2017-05 - 2017-12	<div>Back-End Developer Co-op</div> <div>RBC Royal Bank (Toronto)</div> <div>Tech Stack: <u>Node.js, AngularJS, MongoDB, Elasticsearch</u></div> <div>- Developed features for OAuth client authorization across Development and QA environments</div> <div>- Wrote a proof-of-concept application to demonstrate Elasticsearch performance on various data sets</div>

Education

2014-09 - 2019-04	<div>Western University - B.E.Sc. Computer Engineering</div> <div><ul style="list-style-type: none"><li>With Professional Internship</li></ul></div>
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Athletics and Activities

2016-09 - 2018-04	<div>Varsity Water Polo Athlete</div> <div>Six times per week training for and attending tournaments, and the Ontario University Athletics (OUA) championship</div>
2016-09 - 2018-01	<div>Western Electronic Gaming Association, VP</div> <div>Organized tournaments and events for the online card game Hearthstone</div>