Jake Raw

Computer Engineer

Personal Info

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Website
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https://github.com/jraw96

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https://www.linkedin.com/in/jake-raw-a3950b107/

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

Full Stack Developer

RBC Royal Bank (Toronto)

Tech Stack: Node.js, Angular 7 with NgRx: Reactive State Management (Redux)

- Developing a new full stack application to automate risk assessment
- Integrating both new and legacy web services into one interface
- Working significantly with designers and product owners

2018-05 - 2018-08

Amplify Software Developer Co-op

RBC Royal Bank (Toronto)

Tech Stack: Node.js, React.js, Elasticsearch, Logstash, Kibana

- Designed a new backend infrastructure to securely access and perform analyses on large datasets, accelerating recovery times for incorrect payments
- Awarded a provisional patent for the algorithm implemented in my error detection strategy by the Bill Payment Recovery team

2018-06 - 2018-08

Full Stack Developer Contractor

StoryFlow (Toronto)

Tech Stack: Node.js, React.js, Amazon Web Services

- Configured in-skill purchasing within the Voiceflow Amazon Alexa application
- Wrote AWS Lambda Functions for API communication between the Amazon Echo and Node.js backend server; reducing latency

2018-01 - 2018-04

Full Stack Developer Co-op

RBC Royal Bank (Toronto)

Tech Stack: Java Spring Framework, Zuul gateway service, Angular 5, PostgreSQL

- Worked on developing RESTful APIs and authentication mechanisms for RBC Backpack
- Optimized front to back-end database queries to improve user experience on Backpack's dynamic web pages

2017-05 - 2017-12

Back-End Developer Co-op

RBC Royal Bank (Toronto)

Tech Stack: Node.js, AngularJS, MongoDB, Elasticsearch

- Developed features for OAuth client authorization across Development and QA environments
- Wrote a proof-of-concept application to demonstrate Elasticsearch performance on various data sets

Education

2014-09 - 2019-04

Western University - B.E.Sc. Computer Engineering

- With Professional Internship

Athletics and Activities

2016-09 - 2018-04

Varsity Waterpolo Athlete

Six times per week training for and attending tournaments, and the Ontario University Athletics (OUA) championship

2016-09 - 2018-01

Western Electronic Gaming Association, VP

Organized tournaments and events for the online card game Hearthstone