

# Jonathan Ng

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## Work Experience

### **Cryptonumerics** DEVOPS CLOUD DEVELOPER

*Sept - Dec 2019, Toronto, ON*

- Designed and implemented an API for managing datasets between microservices and storage (AWS S3, PostgreSQL) for developers
- Integrated Segment analytics into products to provide user interaction coverage to marketing, sales and support platforms

### **VIA Rail Canada** INNOVATION INTERN

*Jan - Apr 2019, Montreal, QC*

- Conducted user research and prototyped a solution using Raspberry Pi to upload data from train cars to cloud for locomotive engineers to easily assess, reducing issue diagnosis times 90%
- Performed design evaluation on cloud solutions to determine the most viable option for the given use case
- Used beacon technology to enable mapping of customer and employee journeys through train station to optimize spatial usage

### **TD Bank** DEVOPS ENGINEER

*Sept - Dec 2017, Apr - Aug 2018, Toronto, ON*

- Designed and developed a shared library system to streamline continuous integration pipeline through Jenkins
- Designed a data migration workflow to mitigate 90% of manual effort and coordinated the migration of 40+ projects from several outdated instances of Jenkins
- Administrator over organization's Atlassian Toolstack
- Designed a daily health report for project teams from compiled Jenkins Build Scan and SonarQube data

### **Rave Inc.** BACKEND ENGINEER

*Jan - Apr 2017, Kitchener, ON*

- Built a responsive site using bootstrap to host product for SXSW([rave.dj](https://rave.dj))

## Skills

HTML/CSS + Bootstrap, React  
SQL  
Python, Java  
User Centered Design  
A/B Testing  
User Research  
Prototyping  
Data Analytics

## Tools

Figma, Sketch, XD  
JIRA, Trello  
Confluence  
HubSpot, Segment, Google Analytics  
Salesforce  
Azure, AWS, Google Cloud Platform  
Git  
Microsoft Office

## Education

**University of Waterloo** BAsC 2021

*Sept 2016 - present*

Systems Design Engineering

## Projects

### **Cloud Scale** PYTHON

- Enable users to easily track body weight fluctuation day by day with a digital scale

### **Trivia Assist** PYTHON

- Gave users an advantage to popular game 'HQ Trivia' by processing the question and evaluating probable answers