

RUSLAN NIKOLAEV

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Education:

Wilfrid Laurier University 2015 – present
Bachelor of Business Administration (BBA) program

University of Waterloo 2015 - present
Bachelor of Computer Science (BCS) program

Professional Experience:

Perception Engineer WATonomous, Waterloo, Canada

May 2018 – Present

- Building lane detection and tracking, object detection and tracking, stop sign detection and classification, SLAM systems; competing in SAE autonomous car competition.

Data Engineering Intern Shopify, Ottawa, Canada

January 2018 – May 2018, co-op

- Analyzed Data and built internal reports to understand consumer behaviour on the platform using SQL and Python
- Built a dimensional model to aggregate data on daily platform usage improving query time by 20x
- Developed features and build a customer maturity machine learning model to serve customized content to users and guide internal business decisions

Software Systems Lead Waterloop, Waterloo, Canada

May 2017 – March 2018

- Responsible for managing over 30 software developers to create and deliver innovative design for the embedded and software in the Hyperloop the pod
- Wrote a research paper on the topic of Embedded-Systems in Hyperloop Pod describing design decisions in the system

Full-Stack Software Engineering Intern Adknown, Guelph, Canada

January 2017 – May 2017, co-op

- Developed time tracking Jira plugin by utilizing Atlassian API and AUI features to track/improve employees' efficiency
- Created backend and RESTful API for the time tracking plugin using PHP and SQL
- Designed and implemented interactive user interface to track time, provide records to management, run daily summary emails and send real time web-push notifications to employees tracking over time
- Developed a serverless web-push notification client utilizing AWS services such as Lambda and Dynamo DB to send out large batches of customizable notifications to many customers at once

Python Software Engineering Intern Tionix, Kazan, Russia

May 2016 – September 2016

- Designed an autocomplete algorithm in Python to improve customer experience when controlling the cloud system through a command line interface
- Worked with open source projects such as PyMongo, Celery, OpenStack, Django, and Sphinx to implement an in-house cloud system solution

Skills & Certifications:

Experience in C, C++, Racket, Python, Java, SQL, JS, Node, HTML/CSS, AWS.
Deep Learning Specialization from Stanford University

Side Projects:

Proximity based Android Chat app
Amazon Go sample implementation EZShop
UWaterloo campus assistance chat bot WatBot
Driver Face detection/tracking model

Kaggle Titanic data analytics challenge
Kaggle US shooting analytics notebook
Snack classifier CNN model
Drake Lyric Language LSTM Model

Leadership & Awards:

First place in UNICC 18 international business case competition
Delegate on Laurier University's Digital Strategy JDCC team
First place in QHacks hackathon 2017
First place in RuHacks hackathon 2017