

Anton Sitkovets

Github: @papaiza

asitkovets@gmail.com | 416 689 2093

59 Crown Heights Crescent, Thornhill, Ontario, Canada

OBJECTIVE

To find a full time Software Engineering position at an exciting and impactful company.

EDUCATION

YORK UNIVERSITY

Toronto, Ontario

SOFTWARE ENGINEERING

Expected Dec 2017

GPA: 3.7

SKILLS

PROGRAMMING

BEST FRIENDS:

• Java • Python • JavaScript • C++ • Scala + Spark • HTML/CSS • Node.js

GOOD FRIENDS:

• Matlab • React.js • Ruby/Rails

DATABASES:

• SQL: DB2, MySQL
• NoSQL: MongoDB

AWARDS

• PEO York Chapter Prize
• NSERC USRA
• Dean's Honour List

COURSEWORK

MACHINE LEARNING AND PATTERN RECOGNITION (A+)

• Studied: Binary and Multinomial Classification, Regression Analysis, Dimensionality Reduction, Clustering.
• Implemented: Naive Bayes Classifier, Basis Function and Bayesian Regression, Eigenfaces using PCA and k-NN.

COMPUTER VISION (A+)

• Studied: Filters and Templates, Image Feature and Edge Detection, Stereo Correspondence, Visual Motion and Optical Flow.
• Implemented: Adaptive Thresholding, Circle Detection using RANSAC, Document Detection and Rectification library.

WORK EXPERIENCE

UBER (MAPS) SOFTWARE ENGINEERING INTERN

May 2017 – Sept 2017 | Louisville, CO

- Created a library which would prevent map collection sensors from taking imagery in Geofenced areas and sufficiently collected areas. Project will save the company millions of dollars per year in hard disk usage.
- Developed a server application using Scala, Java and Spark to calculate whether road segments have been sufficiently collected.
- Developed a Java web service to retrieve files from HDFS and deliver them to the car sensor.
- Created a Python client library to communicate with the server and run on the car sensor. Utilized Google's S2 geometry library to make the performance of the library be constant time, allowing it to be run on the sensor at 5 Hz.

LAMA INTERACTIVE | COFOUNDER/BACKEND DEVELOPER

Sept 2016 – July 2017 | Toronto, Ontario

- Created an electronic kiosk with both touch and voice interfaces for the Bergeron building at York University. The purpose of the kiosk was to provide visitors of the building a 24/7 available system which can give directions and answers to general questions about the school/building.
- Implemented the backend using Node.js and front end using React.js.
- Achieved 95% code coverage using the Chai Express library.
- Integrated a natural language processing system to classify user questions and to find similar existing questions.

UBER (MAPS) | SOFTWARE ENGINEERING INTERN

May 2016 – Sept 2016 | Louisville, CO

- Responsible for writing the library for LiDAR data processing, filtering, and point cloud segmentation in Python.
- Wrote a Velodyne 32 I/O library.
- Utilized the C++ PCL library for point cloud registration, filtering and smoothing.
- Colourized point clouds using imagery.
- Generated raster images out of scenes from the point cloud.

TICOON TECHNOLOGIES | JR APPLICATION DEVELOPER

May 2015 – Sept 2015 | Toronto, Ontario

- Designed and created a secure messaging module using Java Spring, JavaScript and HTML.
- Fixed Cross-site scripting vulnerabilities by removing code injection weak points.

M³ LABS | NSERC USRA RESEARCH ASSISTANT

May 2014 – Sept 2014 | Toronto, Ontario

- Conducted scientific research on the relationship between thermal conductivity and filler percentage in polymer nanocomposites.
- Studied academic journals and created a research initiative for the creation, implementation and application of hexagonal boron nitride nanosheets.