

# Timur Borkhodoev

SOFTWARE DEVELOPER · DATA ANALYST

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## Summary

I have comprehensive experience in Computer Vision, Machine Learning and Operating Systems as well as Web Development. My knowledge has served me well in my role of Computer Vision Research Associate at Magna Electronics and helped me perform at a number of programming competitions. Some of my most notable achievements include placing 1st at Open Data Challenge hosted by McKinsey & Company along with Best in Show at the Datafest hosted by University of Toronto Innovation Lab.

## Awards

	<b>Winning Team</b> , McKinsey Open Data Challenge. Implemented an innovative strategy to optimize decision-making through real-time analytics and accurate forecasting for Ontario Ministry of Health and Long-Term Care and Ministry of Infrastructure.	<i>Toronto, Canada</i>
2017	<b>Winning Team</b> , DCSIL Datafest. Analyzed a 600 million entry data set provided by Expedia, uncovered a way to optimize the view-to-purchase timeline in a specific client demographic.	<i>Toronto, Canada</i>
2014	<b>Certified participant</b> , BattleHack for Social Good, built OnTheGrow-a convenient way to access fresh produce in an urban setting.	<i>Toronto, Canada</i>
2010	<b>1st place</b> , Municipal Olympiad in informatics	<i>Ulan-Ude, Russia</i>
2009	<b>Bronze Medalist</b> , Youth Freestyle Wrestling Tournament	<i>Ulan-Ude, Russia</i>

## Experience

### Magna Electronics

*Brampton, Canada*

INTERN RESEARCH ASSOCIATE

*May 2015 – August 2016*

- Worked with a small focused team to enhance existing and develop new algorithms using C/C++, MATLAB, Python(pandas, scipy stack) and other related modeling tools
- Collaborated with researchers, keeping product requirements in focus while working within timelines to conduct the research, test, and validation required to meet the established work project goal.
- Supported translation of high-level algorithms into usable embedded product. Adapted algorithms to meet embedded system requirements conforming to target platform constraints.
- Assisted the testing and the data collection team in development of tools required for various phases of the development process using bash, python.

### Plastic Surgery Presentation Tool

*Philadelphia*

FREELANCE FULL-STACK

*May 2014 – August 2014*

- Worked remotely with plastic surgeon M.D. Adrian Lo on a personalized presentation tool to help with customer retention.
- Designed a simple database(S3), implemented a given design using AngularJS .Converted existing imageset to a maintainable S3 Bucket(with imageMagick).Compiled an easily deployable image for AWS.

## Education

### University of Toronto

*Toronto, Canada*

BACHELOR OF SCIENCE

*Expected - May 2018*

COMPUTER SCIENCE SPECIALIST

- Focus: Computer Systems
- Coursework: Operating Systems (UNIX programming, Introduction and Advanced OS), Machine Learning, Mathematical Statistics, Real Analysis, Web Programming, Functional Programming, Relational Databases, CompSci ethics, Russian/Soviet literature, Ukranian Fiction, Horror Films, Intro/Social Psychology

## Skills

LANGUAGES

- C/C++ (GNU and Visual) • Java • Python (Flask) • Javascript • Ruby • SQL

NATURAL LANGUAGES

- Native or Fluent: Russian, Buryat, English
- Other: French (Pre-Intermediate)