Timur Borkhodoev

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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), Mathematical Statistics, Real Analysis, Web Programming, Functional Programming, CompSci ethics, Russian/Soviet literature, Ukranian Fiction, Horror Films

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.

Projects

TOY COMPILER
- Implemented a toy compiler with a complete translation to a stack based assembly and an intermediate abstract syntax tree representation.

SYS-CALL INTERCEPTING KERNEL MODULE
- Wrote a kernel module that modifies and monitors system calls before and after they are executed.

Awards

2017	**Winning Team**, DCSIL Datafest hosted by Expedia, analyzed traveling dataset, compared location desirability and booking ratios, proposed improvements for family travel suggestions. link	*Toronto, Canada*
2014	**Certified participant**, BattleHack for Social Good, built OnTheGrow - a convenient way to access fresh produce in an urban setting. link	*Toronto, Canada*
2010	**1st place**, Municipal Olympiad in informatics	*Ulan-Ude, Russian Federation*
2009	**Bronze Medalist**, Youth Freestyle Wrestling Tournament	*Ulan-Ude, Russian Federation*

Skills

LANGUAGES
- C/C++(GNU and Visual) • Java •Javascript Pascal •Ruby • SQL •noSQL • Python

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

INTERESTS
- Hiking, Science Fiction, Russian Literature Weightlifting, card games(Hearthstone, Magic)
- Digital Currencies