MIHAI TIUCA

SOFTWARE ENGINEER

EDUCATION

University of Waterloo
Class of 2018
Bachelor of Applied Science
Mechatronics Engineering

CONTACT

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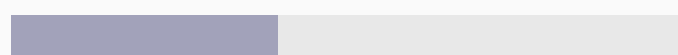**tmtiuca.com**

SKILLS

Software Eng.

Communication

Startup Business Dev.

Frontend Web Dev.

Backend Web Dev.

Software Optimization

System Automation

C++

JS (NodeJS, AngularJS)

Python

ROS

WORK EXPERIENCE

Bundle   Co-founder   May 2017 - Jan. 2018

- Accepted to UW Enterprise Co-op program and entered Velocity startup incubator
- Pitched at Velocity 5K competition (Here's the pitch goo.gl/bFKsxq)
- Won Enterprise Co-op Video Showcase competition (Here's our video goo.gl/6uup9u)
- Developed Bundle's website from scratch using the MEAN stack (github.com/bxndle/website)
- Managed and mentored two 1st year engineering co-op students for 5 weeks
- Performed market research, segmentation, and user interviews

Nvidia   Software Engineer Intern (3D Mobile Graphics)   Sept. 2016 - Dec. 2016

- Proactively automated failure classification system with Python, saving 6+ hours of work daily
- Expanded test coverage for functions and features to launch new mobile graphics API
- Diagnosed and solved a variety of bugs, increasing performance in new graphics API

Hivemapper   Software Engineer Intern   Jan. 2016 - May 2016

- Developed a scalable visual augmentation API for Android using OpenGL ES in C++
- Optimized and tested API to ensure rendering could execute at 60fps across a variety of devices
- Led my own project and provided specs for other engineers interfacing with my code
- Worked as part of a 10 person team developing large-scale 3D maps for drones

Canon Innovation Lab   Rapid Prototype Developer Intern   May 2015 - Sept. 2015
                           Software Developer Intern   Sept. 2014 - Dec. 2014

- Collaborated with a small team to develop over 10 working software prototypes
- Designed and developed UI/UX, backend APIs, and databases as parts of different projects
- Directly pitched projects to executives from Canon Canada and Canon USA
- Pioneered what is now Cannon Innovation Lab's first app, "Jumpshot" (App store)
- Named inventor on a patent through work on Jumpshot (US20160328397A1)

Top Hat   Tech Support Specialist Intern   Dec. 2013 - May 2014

- Conducted analysis and worked with the co-founder to strategize impactful product changes
- Improved company tech support process to decrease response time by over 80%

PROJECTS

Autonomappr (Capstone Project)   Sept. 2017 - May 2018

autonomappr.com

Autonomappr is a system that enables autonomous vehicles on construction sites.
It provides up-to-date collision map data as well as geographic info about temporary roads and
points of interest. Construction managers are able to enter road and point of interest data into
Autonomappr's website as things change on the side through day to day activities.

- Built the landing page and full project websites (full stack web dev).
- Currently working on data processing development pipeline.