

MIHAI TIUCA

SOFTWARE ENGINEER

EDUCATION

University of Waterloo
2018
Bachelor of Applied Science
Mechatronics Engineering

CONTACT

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SKILLS

Software Eng.



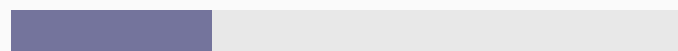
Communication



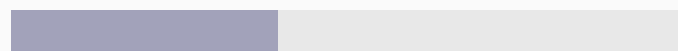
Startup Business Dev.



Design



Frontend Web Dev.



Backend Web Dev.



Optimization



Automation



C++



JS (NodeJS, AngularJS)



Python



WORK EXPERIENCE

Bundle Co-founder May 2017 - Jan. 2018

- Completed UW Enterprise Co-op program and entered Velocity startup incubator
- Pitched at Velocity 5K competition, won Enterprise Co-op Video Showcase competition
- Developed Bundle's website from scratch using the MEAN stack
- Managed two 1st year engineering co-op students for 5 weeks

Nvidia Software Engineer (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
- Helped diagnose and solve a variety of bugs, increasing performance in new graphics API

Hivemapper Software Engineer Jan. 2016 - May 2016

- Independently developed a scalable visual augmentation API for Android using OpenGL ES in C++
- Optimized and tested 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 May 2015 - Sept. 2015
Software Developer Sept. 2014 - Dec. 2014

- Worked 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
- Prototyped and pitched what is now Canon Innovation Lab's first app, "Jumpshot" (App store)
- Named inventor on a patent (US20160328397A1)
- Independently lead a variety of projects

Top Hat Tech Support Specialist 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.