

# Jordan Vlieg

Bachelor of Software Engineering Co-op: University of Victoria.

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## Employment

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Software Developer                      **ITN Holdings - ProvantageX**                      Jan 2017 - Present

- Full stack development for a television advertising integrated demand side and sales side platform.
- Wrote caching algorithm that improved performance when loading thousands of records by 40%.

Software Developer                      **Frozen Mountain Software**                      Sept 2017 - Jan 2019

- Scaled internal WebRTC testing tool on the AWS platform from a handful of concurrent connections to thousands. Saving the company and their clients tens of thousands of dollars in vendor testing fees.
- Designed and implemented features for a web learning platform as an agile full stack developer
- Discovered and resolved several critical security flaws in the ASP.NET platform API and endpoints.

SDE Intern                                      **Microsoft**                                      Summer 2016

- Utilized Azure Spark to process metadata from 1 million songs to discover meaningful insights.
- Authored machine learning and big data templates with terabyte scale datasets.
- Created a tutorial for CIQS to demonstrate to hundreds of Microsoft cloud customers.

SDE Intern                                      **Forest Technology Systems Inc**                      Summer 2015

- Designed and wrote a multithreaded firmware updater for proprietary hardware, reduced flash time by 500x.
- Added support for two new products by reverse engineering an undocumented internal protocol and developing a new module to ensure compatibility with the legacy updater.

## Projects

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**AntiDose** | [www.antidose.ca](http://www.antidose.ca)                      2<sup>nd</sup> Place, Capstone                      Android, Java, Golang

- Connects users encountering an overdose to responders with Narcan kits using Android location API.
- Worked on Android application, UX, debugging and quality assurance.

**iAmBelle.net** | [iambelle.net](http://iambelle.net)                      1<sup>st</sup> Place, HackUVic                      Python, C

- A Twitter bot that uses computer vision to provide relevant commentary on users' photos.
- Designed and engineered the interface to the image recognition API, and the filtering logic to produce more meaningful results.

**Autonomous Robots**                      1<sup>st</sup> Place UVEC, 2<sup>nd</sup> Place WEC                      C, Hardware

- Multiple autonomous cart-like robots to complete various challenges at multiple competitions.
- Built and automated autonomous robots within strict budget and time requirements.

## Skills

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Proficient in: C#, C, Regex, Git, Bash.

Competent using: JavaScript, Python, Java, SQL, HTML, CSS, Jira, AWS, Entity Framework.

Familiar with: Golang, Riot, ExtJS, ASM, Hadoop, Spark.