

## Experience

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|---|-------------------------------------|----------------------------------|
| <b>Software Engineer Intern</b>   | <b>HBO</b>                          | <b>Summer 2018</b>               |
| <ul style="list-style-type: none"><li>Implemented Kubernetes Horizontal Pod Autoscaling on custom metrics for 2019 Game of Thrones Premier</li><li>Architected a web adapter to receive HPA controller requests and extract Statsd metrics from GraphiteDB</li><li>Developed HTTP endpoints to emit Prometheus scrapable histogram metrics for 5 HBO micro-services</li></ul>                       |                                     |                                  |
| <b>Software Engineer Intern</b>   | <b>Microsoft</b>                    | <b>Winter 2018</b>               |
| <ul style="list-style-type: none"><li>Developed and architected a HoloLens application via Unity and Azure for visualizing 3D cancer tumour data</li><li>Designed a game object that enabled users to filter through 50,000 cell models via keyboard and gesture controls</li><li>Implemented a WebGL app to inject keyboard inputs into the HoloLens app while syncing the apps' states</li></ul>  |                                     |                                  |
| <b>Cognos Analyst Intern</b>  | <b>IBM</b>                          | <b>Winter - Summer 2017</b>      |
| <ul style="list-style-type: none"><li>Solved 150+ client submitted tickets via issue reproduction, software log tracing, and trouble-shooting on phone</li><li>Fully repaired 2-3 malfunctioning server environments daily, achieved multiple perfect client evaluations</li><li>Identified, documented, and tested 30+ defects within IBM Cognos; fixed in future iterations of software</li></ul> |                                     |                                  |
| <b>Software Engineer</b>  | <b>Lamify</b>                       | <b>Summer 2016 - Winter 2017</b> |
| <ul style="list-style-type: none"><li>Implemented landing pages and web applications via Bootstrap and Node.js for company clients</li><li>Developed frontend component in anti-procrastination Chrome extension, which helped boost user base by 25%</li><li>Performed regression tests and ensured cross-platform functionality for web applications</li></ul>                                    |                                     |                                  |
| <b>Software Developer Intern</b>  | <b>Canada Post</b>                  | <b>Summer 2016</b>               |
| <ul style="list-style-type: none"><li>Architected an Excel VBA macro that generates fuel usage anomaly reports for 13,000+ Canada Post vehicles</li><li>Reduced process runtime by 95% and parsed 12,000+ fuel usage entries in under 12 minutes</li><li>Developed an automatic email routine with Outlook VBA that sends location specific reports to site managers</li></ul>                      |                                     |                                  |
| <b>Web Developer Intern</b>   | <b>ReEnvision Digital Marketing</b> | <b>Summer 2016</b>               |
| <ul style="list-style-type: none"><li>Designed and implemented tailored marketing websites for agency clients via WordPress and HTML/CSS</li><li>Implemented SEO via Google Analytics and resolved 200+ visual issues for various client sites</li><li>Created a custom marriage license request form for an Ottawa Member of Parliament's public site</li></ul>                                    |                                     |                                  |

## Technologies

- Languages:** Python, C#, Go, Java, JavaScript, Swift, Visual Basic
- Framework/Libraries:** HTML/CSS, Bootstrap, jQuery, Android, iOS, Node.js, React Native, LaTeX, VBA
- Environment and Tools:** UNIX/Linux, Git, SVN, Azure, Google Cloud, AWS, Unity, Kubernetes, Docker

## Education

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|--|------------------------------|--------------------------------|
| <b>Honors Bachelor of Science</b>  | <b>University of Toronto</b> | <b>Fall 2015 - Summer 2020</b> |
| <ul style="list-style-type: none"><li>Major: Computer Science - Software Engineering Specialist w/ co-op</li></ul> |                              |                                |

## Highlighted Projects

- Adder:** Instrumented AWS MobileHub and developed frontend component for React Native mobile app for users to add one another on social media via facial/QR code scans
- shARe:** Integrated AWS Cognito and DynamoDB for iOS AR app that enabled users to place text bubbles within their surroundings as markers
- Air VR:** Developed Node.js air traffic tower simulation using Google Cloud voice to text ML model

## Awards

- Best use of Amazon Web Services:** Independently developed AWS architecture at Hack Western IV, 2017
- Best Google Chrome Extension:** Implemented application frontend with Bootstrap at McHacks 2016