

# Justin Stribling

4A Software Engineering | University of Waterloo

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## Work Experience

- Uber** | Software Engineer – Marketplace Intelligent Dispatch | Go, Kafka, Thrift Jan. – Apr. 2018
- Designed and implemented a Go/Thrift API and set of Kafka pipelines to compute & analyze UberPool efficiency
  - Supporting ~30ms production latency with ~400 QPS (and a one-time batch processing of 33 Million requests)
  - Cross-team collaborations to gather requirements, meet timelines, and offload service ownership
- TextNow** | Full Stack Developer – Carrier Provisioning | Go, Kafka, PHP, MySQL, Rails May. – Aug. 2017
- Implemented an event sourcing architecture for provisioning requests and device history using Go and Kafka
  - Refactored multiple Rails services to better separate their functionalities and simplify their communications
- TextNow** | Full Stack Developer – Wireless Internal Tools | PHP, Rails, MySQL, React Aug. – Dec. 2016
- Worked on integrating and testing the addition of a new wireless carrier partner (part time) Jan. – Apr. 2017
  - Lead design and implementation of integration with Sandvine to support real-time data tracking
  - Created several tools across the stack to manage customer information for use by our customer support teams
    - Subscription management tools including: place on/off hold, suspend, restart and change billing date
- Tangam Systems** | Software Developer | Angular, jQuery, C#/.NET, HTML5, CSS3 Jan. – Apr. 2016
- Implemented several new features independently on both server (C#/.NET) and client (Angular, HTML5, CSS3)
  - Simplified and extended the authentication process and created an API for automated testing
  - Participated in design and architecture discussions including SOLID principles and security enhancements
  - Lead development of dynamic data visualizations and graphs using D3.js
  - Commended numerous times for hard work and innovation through all phases of development
- Tangam Systems** | QA Developer | Protractor, NUnit, Selenium Apr. – Sept. 2015
- Improved end-to-end automated test coverage using Selenium-based frameworks (NUnit and Protractor)
  - Lead migration and development of the Protractor testing framework for Angular applications
  - Liaised between business and development teams to understand, investigate and log complex data issues

## Projects

- Galleon** | Hack the North 2017 | Finalist & Microsoft API Award | [Dev Post](#) | [GitHub](#) Sept. 2017  
*A web service to help streamline the Canadian immigration process.* | NodeJS, CockroachDB, FireBase, Azure Bot service
- Developed NodeJS server to query mentor data from CockroachDB and set up user authentication with FireBase
  - Selected by Microsoft for having the best use of the Azure Bot service API – used for the FAQs
- Myo Stress(Less)** | UWaterloo EngHack | 1st Place | [Dev Post](#) | [GitHub](#) Nov. 2014  
*Stress relief application* | Java, C++, Myo Armband
- Designed and built a Java application that incorporated Redis Pub/Sub and JSON libraries to enable the support of multiple computers and cross platform communication
  - Worked efficiently in a team to brainstorm, design, code and test within the 24-hour deadline
  - Selected by Thalmic Labs as the “Top Myo Hack” winner for unique and innovative use of gesture control to create numerous virtual weapons for simulated screen destruction

## Activities and Interests

Enjoy participating in hackathons, side projects, hockey, kayaking, wakeboarding and snowboarding