

# Ben Morris | Software Developer

📞 +1 226 600 8153 • ✉ benjaminmjmorris@gmail.com • 🌐 www.benmjmorris.com  
www.github.com/Eaco

## Previous Employment

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- **Amazon Video** **Seattle, USA**  
*Software Development Engineer Intern* *May 2016 - August 2016*
  - Designed and implemented a highly scalable, production facing service from scratch.
  - Service currently in use by tens of thousands of users daily.
- **MedAvail Technologies Inc.** **Mississauga, Canada**  
*Co-op Developer, Software Architecture Team* *September 2015 - December 2015*
  - Re-wrote database communication retrieval and processing logic in C#, significantly decreasing DB access time.
  - Enhanced the company's NSIS installer systems to install client specific features automatically, decreasing deployment time.
  - Worked with front and back end development for the company's suite of web applications in C# and JavaScript.
- **MedAvail Technologies Inc.** **Mississauga, Canada**  
*Junior Developer, Machine Team* *January 2015 - April 2015*
  - Enhanced a code analysis tool used by the developers to ensure correctness of code being checked in.
  - Implemented connectivity checking and other features in a "watchdog" used to application to monitor the MedCenter.
  - Fixed bugs, reviewed code, and worked with other developers to add new features to the "MedCenter" automated pharmacy.
- **Ontario Ministry of Transportation** **St.Catharines, Canada**  
*System Administrator* *May 2014 - August 2014*
  - Performed database analysis and optimized the database schema.
  - Created SQL scripts and views using Microsoft excel to display information from the database for non-technical users.
  - Deployed and monitored customer facing web applications.

## Education

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- **University of Waterloo** **Waterloo, Canada**  
*Honours Bachelors of Software Engineering* *September 2013 - Present*

## Notable Projects

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- **Table Top Helper** '*Helping RPG groups communicate and organize*'
  - Created a MEAN stack web application to help players of table top role playing games organize their game sessions.
  - Table Top Helper is a single page application, built with Angular.js front end logic, on a Node.js server using MongoDB.
  - Communication between front and backend is achieved using WebSockets and the Socket.io library.
  - See the latest stable version at [tabletophelper-bengineering.rhcloud.com](http://tabletophelper-bengineering.rhcloud.com)

## Technical skills

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- **Programming Languages:** Proficient in Java, C/C++, C#, and JavaScript.
- **Technologies and Frameworks** AngularJS, Node.js, Socket.io, jQuery, MongoDB, MySQL, Transact SQL.
- **Tool Skills:** Git, JetBrains IDEsTeam, Foundation Server, Microsoft Visual Studio.