

keri warr

keri.warr.ca - [github.com/keriwarr](https://github.com/keriwarr) - [keri@warr.ca](mailto:keri@warr.ca)  
(905) 999-2131 - 1704 Wollaston Ct. Pickering ON L1V2X1

education

### University of Waterloo

September 2013 – June 2018 (expected)  
Candidate for Bachelor of Computer Science, Co-op

work experience

### Web Developer Intern, CPA Ontario, Toronto, ON

September 2014 – December 2014

- Built and maintained internal tools and features, including a content management system using **C#** and **.NET**
- Re-worked data models and handled **MySQL** migrations
- Streamlined and retouched externally facing websites using **CSS** and **JavaScript/jQuery**
- Employed an agile development technique as well as strong documentation practices

skills

<b>Web Development:</b>	.NET, Node.js, jQuery, SASS, Jade
<b>Data Modeling:</b>	MySQL, MongoDB
<b>Languages:</b>	JavaScript, C#, C/C++, Scheme
<b>Tools:</b>	Git, Bash, Visual Studio
<b>Concepts:</b>	REST, MVC, SQL vs. NoSQL

projects

### Final Destination API - [github.com/ADEHJKNTV/FD-API](https://github.com/ADEHJKNTV/FD-API)

- Wrote a **RESTful** JSON API using **Node.js**, and **Express.js**
- API stores and computes user data and match history for a competitive video game
- Supports CRUD operations on a variety of endpoints
- Data is stored using **MongoDB**
- Implemented rate limiting with a Redis data store

### Growth - [github.com/KeriWarr/Growth](https://github.com/KeriWarr/Growth)

- Implemented an organic life simulation environment in **C++** which generates unique, emergent 'life forms'
- Employed a genetic algorithm to simulate natural selection
- Handled constraints to simulate selection pressure
- Designed to create large, interesting, and unpredictable data sets

### MemoryTrain

- Co-wrote an application for the Pebble smartwatch for improving memory retention of specific data sets
- Implemented using a spaced repetition algorithm to optimize memorization rates
- Written in **C** and **JavaScript** using the Pebble SDK