

# Nathan Schucher

Toronto, ON  
nathan.schucher@gmail.com  
[github.com/nschuc](https://github.com/nschuc)  
[nathanschucher.com](http://nathanschucher.com)

## Experience

Sept. 2016 - Dec. 2016	<b>Participant</b> , Recurse Center Implemented deep recurrent machine reading model in TensorFlow. Began work on computation graph library with automatic differentiation (ongoing). Began work on drag-and-drop interface for Keras deep learning library in React (ongoing).
Aug. 2015 - Sept. 2016	<b>Software Developer</b> , Morgan Stanley Built and maintained frontend and backend features for internal social networks. Managed complex data model mapping with Hibernate.
Summer 2014	<b>Summer Technology Analyst</b> , Morgan Stanley Analyzed code, data flow, and job histories to daily reporting process. Reduced processing time from 2 hours to 15 minutes. Eliminated technical debt and shrunk code base size by 80%.
Winter 2014	<b>Research Assistant</b> , Department of Fisheries & Oceans Read, and implemented oceanographic numerical computation methods from oceanographic research papers. Implemented Matlab algorithms for volumetric time series datasets in a compute and memory limited environment.
Summer 2013	<b>Junior Software Developer</b> , General Dynamics Canada Worked effectively in a small agile team to plan and complete tasks on schedule. Built components for submarine acoustic signal processing displays. Performed technical and non-technical demonstrations for government representatives.
Summer 2012	<b>Instructor</b> , Real Programming for Kids Taught students ages 10-16 how to program video games using real world programming languages (C++, Java, C#, Visual BASIC).
Summer/Fall 2010	<b>Web Developer</b> , Ursula Franklin Academy Lead development of a web application for the registration and management of Ursula Franklin Academy's weekly special courses (Still in use today).

## Education

2012 — 2015	<b>B. Sc. Major Co-op Mathematics &amp; CS Distinction</b> , Dalhousie, Halifax
2011 — 2012	<b>Foundation Year Liberal Arts Programme</b> , University of King's College, Halifax

## Technical Skills

| C, C++, D-lang, Python, Java, ES6, React, Redux, Keras, TensorFlow

## Awards, Achievements

Scholarships	King's Univ Scholarship (2012, 2013, 2014) President's List 2011-2015
Contests	Winner American Natural History Museum Hackathon 2016 Finalist University of Toronto Computer Science Fair 2010 – Java Client/Server Chat Finalist University of Toronto Computer Science Fair 2011 – C++, OGL Arcade Shooter Dalhousie ACM Team, 2013-2014 Google Code Jam, 2011-2016 Waterloo Computing Competition Participant, 2009-2011