

Brandon Byskov

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Summary

- **Self Motivated:** completed personal projects and some independent academic research.
- **Love Learning:** completed many online courses and constantly read about technology.
- **Avid Programmer:** passionate about writing performant, correct and maintainable code.

Education

Computer Science with minor in Business (Honours B.A.Sc)

2010-2015

McMaster University, Canada

- Built and documented a VNC remote desktop viewer in Haskell, using TCP and X11 protocols.
- Optimized a C++ ray tracer to scale using parallel processing across an AWS server instance.
- Built a MIPS CPU simulator in JavaScript with a web front end for visualization.

Online Courses

2012-present

- Completed 14 university-level online courses. Done for personal interest through Coursera.org.
- Courses on machine learning, data science, distributed computing, business and economics.

Experience

Personal Research on Strong Artificial Intelligence

2012-present

- Developing mathematics and exploring theoretical issues around general artificial intelligence.
- Have written 30 pages so far towards an unfinished academic paper based on this work.

Personal Project: Profile Page Maker

Summer 2014

- Built a web app in PHP, JavaScript and SQL that allows users to create a personal profile website.

Web App Developer - McMaster University

Summer 2012

- Developed health management software for the university and Hamilton Health Sciences.
- Designed and implemented database, front end, and back end code that was used by hospitals.

Personal Project: Artificial Intelligence/Computer Design

2010-2011

- Created a web-based storefront that automates optimal hardware component selection of desktop computers, based on individual customer budget and computing needs.

Interests

- Cross Country running, Track and Field. Enjoy daily runs.
- Solving Project Euler problems in Haskell and C++. In top 5% of users for solving problems.
- Reading every day about new technologies, the tech industry, business and economics.
- Taught myself up to intermediate level German language.

Languages

Imperative

C++, C, Java,
MATLAB, Python

Functional

Haskell, ML, Scala

Web

JavaScript, PHP,
HTML/CSS

Other

SQL, Git, Subversion,
Assembly, L^AT_EX,
MPI, OpenMP,
OpenGL

Profile Website: <http://brandonbyskov.github.io>