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 writting 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

- Creating a theoretical model of intelligent machines and developing mathematics to represent it.
- Combining personal investigative research with Aristotelian philosophy and modern AI ideas.

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 10% 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	Functional	Web	Other
C++, C, Java, MATLAB, Python	Haskell, ML, Scala	JavaScript, PHP, HTML/CSS	SQL, Git, Subversion, Assembly, LaTeX, MPI, OpenMP, OpenGL

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