

Jacob Erickson

software engineer

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Seeking an internship in Computer Science or Software Engineering for the Summer of 2017.

Education

University of Toronto / Computer Science, Second Year (2015-2019)
H.BSc, Focus in Artificial Intelligence

Skills

Programming Languages: Java, Python, C, and JavaScript
HDL: MIPS assembly and Verilog
Web Design: HTML5, CSS3, and jQuery
Other: bash, Git, and LaTeX
Operating Systems: Macintosh OS X, Ubuntu, and Microsoft Windows
Production: Adobe Photoshop CC, InDesign CC and Sony Vegas Pro 10

Notable Projects

ytmusic, Personal, January 2017

- Web application that aims to enhance YouTube's music listening experience.
- Built with HTML, CSS, JS, and jQuery
- Implements YouTube's Data and IFrame APIs

photo tagger, Software Design, November 2016

- Java application that works to index photos within the OS with tags
- Uses Swing GUI and JUnit testing

Coursework

Computer Science: Software Design, Computer Organization, Theory of Computation, Software Tools and System Programming, Data Structures and Analysis
Math: Calculus I and Proofs, Linear Algebra I, Calculus II
Statistics: Probability with Computer Applications

Leadership and Volunteer Experience

Volunteer Camp Counsellor

Winter Sport Institute (Winsport), Calgary, AB, July/2013 - August/2013 & July/2014 - August/2014

- With children 8+ hours a day
- Helped improve leadership and people skills

President and Editor/Director of the Graduation Video Club

Sir Winston Churchill High School, Calgary, AB, September/2014 - June/2015

- Contributed to my skill and interest in video editing and graphic design
- Helped improve my leadership and people skills, managing a large body of students creating one large project.

Activities and Interests

- Former YouTube technological product reviewer with 500+ subscribers
- Former hockey goaltender, lacrosse player, and performance slalom water skier
- Computer enthusiast - started building and maintaining computers in 2010
- Passion in performance cars and modifications
- Ardent fan of NHL hockey and esports
- Avid collector of socks