

# 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

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## 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

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## 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

**whaddit**, Personal, January 2017

- Python3 script that uses AI to guess what subreddit a user submits based on its image content
- Utilizes Clarifai API, BeautifulSoup4, and Requests

**photo tagger**, Software Design, November 2016

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

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## 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.
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## Activities and Interests

- Video production: YouTube technological product reviews
- Athlete: hockey goalie, lacrosse player, slalom waterskier
- Building and Maintaining computers
- Performance cars and modifications
- Fan of NHL hockey and esports
- Collector of socks