

# Cassiel Moroney

2150 Birch St  
Palo Alto, CA 94306  
USA

2090-1 Rue Jeanne Mance  
Montreal, QC H2X 2J5  
Canada

650.526.8223

[cassiel.moroney@mail.mcgill.ca](mailto:cassiel.moroney@mail.mcgill.ca)

[www.cassielmoroney.com](http://www.cassielmoroney.com)



## Education

McGill University; Montreal, QC – B.A., Sep 2017-Present

B.A. of Computer Science, expected 2020. GPA: 3.6

Mount Holyoke College; South Hadley, MA – B.A., Sep 2015-May 2016

Mount Holyoke Leadership Award, \$20 000 annually. GPA: 4.0

## Programming Languages

C++, C, Java, JavaScript, Python, MIPS, Bash, HTML, CSS  
English, Spanish

## Work Experience

Mentor, BLUE Fellowship, Building 21; McGill University, QC – Sept 2018 - Present

Fellow, BLUE Fellowship, Building 21; McGill University, QC – Summer 2018

In 6 weeks, with no previous Unity experience, trained a supervised learning algorithm to detect emotion from tone of voice and built a dynamic virtual reality program that responds to users' sentiments.

Research Assistant, Dep. of Digital Humanities; McGill University, QC – Nov 2017- Sept 2018

Worked in JavaScript with Apache Tomcat to develop and improve Voyant Tools, a suite of analytic tools for digital corpuses of literature.

Research Assistant, Interactive Computing Research Lab; Mt. Holyoke College, MA – Jan-May 2016.

Assisted in research on spoken language processing in human-robot interaction, using Python and NLTK to parse test data.

Code Coach, The Coder School; Palo Alto, CA – June-Aug 2015

Instructed over 85 private lessons to children ages 7 through 17 in programming languages and logic. Developed personalized lessons, assessed student progress, and wrote robust feedback reports for guardians.

## Relevant Experience

Presenter, International Association of Empirical Aesthetics Conference; Vienna – Aug 2016

Presented "MuSyC," a music-color synesthesia emulator built with Arduino.

Mentor, Girls In Tech Conference; Mount Holyoke College, MA – March 2016

Led a day group of high school girls through tech workshops, community building exercises, and a pitch presentation.

"Most Interdisciplinary," HampHack; Hampshire College, MA – Feb 2016

Team award for "MuSyC," above described project presented at the IAEAC.

"Most Beneficial to Society," HackHolyoke; Mount Holyoke College, MA – Oct 2015

Team award for an iOS app that reports to a visually impaired user their location on campus, precise to building and room number.

## Coursework

Algorithms & Data Structures (Java), Software Design (C), Introduction to Computer Systems (MIPS), Introduction to Software Systems (Bash, C), Advanced Object-Oriented Problem Solving (Java), Introduction to Object-Oriented Programming (C++)

## Projects

Full descriptions and demos of projects available at [www.cassielmoroney.com](http://www.cassielmoroney.com).