

# THEODORE BROCKMAN

## QUALIFICATIONS

- Languages: Python, JavaScript, C, C++, Java, MySQL, HTML/CSS, MIPS/x86 Assembly, MATLAB, R
- Frameworks: Node.js, AngularJS, Django, Keras, Flask, OpenGL
- Strong proponent of Test Driven Development, with considerable work spent writing rigorous automated tests for both front-end and back-end applications
- Experienced in client-side and server-side development, including mobile platforms
- Extensive work with relational databases, including the secure storage of sensitive user data
- Breadth of knowledge, having taken courses covering most major computing science topics.

## SKILLS

- Creative, with a love of problem-solving
- Collaborates well on group projects
- Creates reliable, performant, and maintainable code
- Aptitude for learning
- Tenacious when it comes to tracking down and fixing bugs
- Quickly acclimates to new programming languages and frameworks
- Writes and speaks French at a conversational level

## CURRENT PROJECTS

- Creating a software instrument played using eye movement to facilitate the artistic expression of those unable to do so by traditional means
- Building a recurrent neural network trained on audio samples to produce novel sounds for use in music production

## AWARDS

- U. of A. Academic Excellence Scholarship
- Fac. of Arts Academic Excellence Scholarship
- Alexander Rutherford Scholarship

## EDUCATION

B.Sc w/ Specialization, University of Alberta  
Computing Science 2018

## INTERESTS

- Rockclimbing
- Videogames
- Music production

## WORK HISTORY

Worked on a team of ~9 people to create a healthcare related web application, with the aim of facilitating the secure sharing of patient information between both clinics and physicians within Canada

Created a mobile website for the organization, as well as traveled to festivals around the province engaging attendees in fun trivia and activities to promote sexual health awareness

# OPEN SOURCE WORK

## Review Board

- ```
Review Board      - Worked on re-designing the Git diff viewer for mobile devices and
                   implemented a minor bug fix.
angular-loggly-logger - Small PR adding the ability to dynamically disable/enable sending
                   client logs to Loggly
```

## REFERENCES

```
// TODO: AVAILABLE UPON REQUEST
```