

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 with 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
```