

THEODORE BROCKMAN

QUALIFICATIONS

- Languages: Python, Javascript, C, C++, Java, MySQL, MIPS/x86 Assembly, MATLAB, HTML/CSS
- Frameworks: Express.js, AngularJS, Django, Keras, Caffe, Flask
- Strong proponent of Test Driven Development practices, with considerable work spent writing rigorous automated tests for both client-side and server-side Javascript applications
- Wealth of experience in server-side development (Node.js)
- Familiar with application development for mobile platforms
- Extensive work with relational databases, involving the secure storage of sensitive user data

SKILLS

- Creates reliable, performant, and maintainable code
- Constantly evolving skill-set, most recently completing several courses on machine learning
- Collaborates well on group projects
- Quickly learns new programming languages and frameworks
- Experience creating applications end-to-end, as well as refactoring existing application codebases
- Can write and speak French at a conversational level

EDUCATION

B.Sc with Specialization, University of Alberta
Computing Science

CURRENT PROJECTS

- Building a probabilistic graphical model to predict blood glucose of patients with Type 1 diabetes with the end goal of increasing patients ability to self-manage their condition
- Interpreting images musically using convolutional neural networks (mainly just to see what happens)

AWARDS

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

INTERESTS

- ```
- Rockclimbing
- Videogames
- Music production // for people with generous
 // definitions of music
```

## WORK HISTORY

Worked with a team of ~9 people to create both client and server-side portions of a healthcare related web application, with the goal of improving the process of sharing patient information for physicians

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

Served coffee during peak hours, learned to maintain composure in a high-stress environment and work as a team in order to always provide excellent customer service

## REFERENCES

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