# MICHAEL KWOK

n30phyte

in Michael Kwok

**♀** Edmonton, AB

**\** +1 587 937 5980

### **EDUCATION**

BSc. Computer Engineering, 2nd Year

**University of Alberta** 

**♀** Edmonton, AB, Canada

### **PROJECTS**

#### KaiChiNDS

M Ongoing Project

n30phyte/KaiChiNDS

- > Emulator for Nintendo DS and Gameboy Advance consoles, with an emphasis on experimentation and learning.
- > An ongoing research project made in collaboration with Cynthia Li.
- > Used as a scratchpad to learn how to write optimized, clean code in C++, utilization of STL to increase code reuse, application of Computer Architecture courses and graphics programming.
- > Technologies: C++, SFML, OpenGL, CMake,

### Klutter

n30phyte/Klutter

- > Inspired by SuperCook, an app to help planning meals over the week easier.
- > Written in Dart as a project to introduce myself to mobile app development.
- > Technologies: Flutter, Dart

### github.io Webpage

n30phyte.github.io

- > A playground for learning web technologies for single page applications.
- > Technologies: Vue, HTML, CSS, JavaScript

### Al Pong

Movember 2018

- n30phyte/HackEDBeta2018
- > First large scale team project in C++, using SFML to write a Pong clone to be controlled by a Python Al agent.
- > Written during HackED Beta 2018, a hackathon hosted by the University of Alberta Computer Engineering Club.
- > Technologies: C++, SFML, Python, Keras, TensorFlow

### SpotifyThing

₩ January 2018

- n30phyte/SpotifyThing
- > Created a small script to automate the monotonous and repetitive task of turning Spotify playlists to CSV files.
- > Technologies: C#, Spotify Web API

# PROGRAMMING LANGUAGES

C++
Python
C#
ETEX
Shell Scripting
JavaScript
TypeScript
Matlab

**VHDL** 



# TECHNOLOGIES & PROGRAMS

CMake Git Vue SFML Flutter
IntelliJ IDEs Wireshark Visual Studio
Visual Studio Code Windows Linux

## **VOLUNTEERING**

### **VP Finance**

# Indonesian Students' Association Edmonton PERMIKA Edmonton

🛗 January 2019 - Present

> Helped set up the group.

### Software Team Member

### **Autonomous Robotic Vehicle Project**

May 2018 - Present

- > Turpis egestas maecenas pharetra convallis.
- > Vulputate dignissim suspendisse in est ante in nibh mauris cursus.

## **INTERESTS**