

# NATHAN TANG

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## EDUCATION

### University of Alberta

September 2019 - Present

- Bachelors of Science in Computing Science - Software Specialization
- Relevant coursework includes: data structures, algorithms, computer architecture, files/databases, linear algebra, discrete math/formal logic

## SKILLS

|                     |  |
|---------------------|--|
| <b>Languages</b>    | Python, Typescript/Javascript, HTML/CSS, SQL, Powershell, Bash |
| <b>Technologies</b> | React, Electron, SQLite, Git, Windows, Linux, UNIX, Docker     |
| <b>Other</b>        | Computer networking, Computer hardware                         |

## PROJECTS

### Inhabit

[github.com/nathanlytang/inhabit](https://github.com/nathanlytang/inhabit)

- A to-do app built for the desktop with Javascript running on the Electron and Node.js framework
- Also built for iOS/Android using React Native

### Address Book

[github.com/nathanlytang/AddressBook](https://github.com/nathanlytang/AddressBook)

- An address book desktop app built with Python using Tkinter, Google API's and CSV
- Uses a Google API to keep data constantly updated across devices using a unique authentication key

### Inventory Manager

[github.com/nathanlytang/InventoryManager](https://github.com/nathanlytang/InventoryManager)

- An inventory manager desktop app built with Python using Tkinter, SQLite, and SQLAlchemy
- Allows for manipulation of different database files to keep different inventory records

## EXPERIENCE

### University of Alberta Aerial Robotics Group

September 2019 - Present

*Pilot, Electronics Team*

- Design and build onboard electronics systems for drones to compete at the Unmanned Systems Canada Student UAV Competition and the AUVSI Student UAS Competition

## OTHER EXPERIENCE

**Edmonton Christian Community Church** *Audio-Visual Team*

February 2019 - Present

**DiscoverE Engineering and Science Camps** *Instructor/Volunteer*

July 2019 - August 2019

**Royal Canadian Air Cadets** *Warrant Officer Second Class, Training Officer*

September 2013 - June 2019