

## Matthew Choi

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Github: <https://github.com/matthew9655>

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### Experience

#### Machine Learning Researcher

Jan 2020 - Present

Alan-Aspuru Guzik Group, Toronto

My research interests are applying unsupervised learning methods to other fields of Science. Here is a paper I recently finished:

<https://journals.aps.org/prx/abstract/10.1103/PhysRevA.105.042403>

#### Augmented Reality Application Developer

May 2020 – May 2021

Modiface, Toronto

Front-end developer. Worked on embedding company facial detection models to production web applications. Coded in VueJs, HTML/CSS.

#### Computer Science Researcher

Aug 2019 - Apr 2020

Dept of Computer Science, UofT

Implicitly Guiding CS1 students to Consider Analogous Problems. Supervised by Prof. Michelle Craig and Prof. Jennifer Campbell

#### Army Company Quartermaster

Feb 2015 - Dec 2016

Singapore Armed Forces, Singapore

Specialist in Supply and Logistics. Awarded Best Commander of the Quarter May – Aug 2016.

### Education

#### University of Toronto

Sep 2017 - Apr 2022

B.Sc Computer Science and Economics

Computer Science Major with a focus in Artificial Intelligence. Economics Minor.

### Projects

**Guess the drawing** – ReactJS picture passing online game with a MongoDB backend.

**Spotlight Gym App** – Social networking gym mobile app deployed on Expo with a SQL backend.

### Extracurricular

#### Curriculum Executive

Nov 2018 – Aug 2021

Project Include, University of Toronto

Led a team of instructors who develop and present curriculum for coding workshops for children and teens in priority neighborhoods.

#### First-Year Learning Community Mentor

Sep 2019 - Apr 2020

University of Toronto

A Computer Science Mentor for first-year students coming into the CS stream at the university.

### Skills

Python – Java – C/C++ – HTML/CSS – Javascript