

William Ma

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Projects Sharm / Systems Research Project

Fall 2021

- Developed interpreter and source-to-source compiler for Harmony
- Wrote and presented academic paper summarizing results

TriBlank / NLP Research Project

Spring 2021

- Ideated, developed, and experimented on novel approach for three-way entity relation extraction
- Wrote and presented academic paper summarizing results

Homebrew / Open-Source Contributor

Summer 2020

- Unified 8 brew and brew cask commands
- Added cask support to 3 brew commands
- Added license information to 50% (ct. ~2500) homebrew-core packages

Eatery / iOS Developer & Project Manager

Fall 2018 – Present

- Grew user base by 20% during 2019
- 9,600 Monthly Active Users. 3,600 Daily Active Users
- Most prolific contributor to the iOS app since fall 2018

Xi / Compiler Engineer

Spring 2020, Cornell CS 4120

- Implemented dataflow analysis optimizations
- Developed comprehensive test suite with unit, performance, and integration testing

Cello Mute / iOS App

2016 – 2018

- Independently developed iOS app for musicians
- 39K downloads in its lifetime

Education Cornell University

Fall 2018 – Spring 2022

- **B.S.** Computer Science Summa Cum Laude, Minor in Mathematics, GPA 4.2 out of 4.3, Dean's List 5 out of 5 Semesters
- (Expected) **M.Eng.** Computer Science