

# GUANQUN WU

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## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY **Expected Dec 2020**  
Bachelor of Science, Computer Science  
Minor(s): Electrical and Computer Engineering  
Overall GPA: 4.18 Major GPA: 4.25  
Intending to pursue early admit MEng at Cornell from Aug 2020 – May 2021

**Relevant Courses:** Honors OOP and Data Structures, Functional Programming, Algorithms, OS, Machine Learning for Data Science, Databases (FA'19), Natural Language Processing (FA'19), Intro to Machine Learning (FA'19), Cloud Computing (SP'20)

## WORK EXPERIENCE

**Cornell University**, Ithaca, NY, *Consultant* **Aug-Dec 2019**

- Hold office hours and grade for CS 3110 Functional Programming

**Receiptastic Pte Ltd**, Singapore, *Director/Software Engineer* **Jan-Aug 2018**

- Ran my own company to make an online ordering and automated accounting system
- Built a system by myself that comes with a website and phone apps (in Android and iOS)
- The website was built on a React frontend and an Elixir backend
- Website automatically generates PDFs, Excel spreadsheets as well as emails from the data in its database
- Sold a copy of the system. It is currently (as of Aug 2019) deployed and in use by Fortune Fountain Pte. Ltd.
- Significantly improved the client's productivity and allowed them to take on a lot more orders at a time

**Singapore Armed Forces**, Singapore, *Service Medic* **Jan 2016-Jan 2018**

- Promoted to rank of Corporal (CPL) for good performance teaching and treating patients
- Was joint physiotherapy assistant in charge of managing centre from Apr 2017
- Wrote an Excel script within military security constraints to help automate center statistics

## RELEVANT ACHIEVEMENTS

**Google Codejam 2019** <https://codingcompetitions.withgoogle.com/codejam> **Apr-May 2019**

- Solved challenging and thought-provoking algorithms problems within 3 hours
- Qualified for Round 2. Top 6% (Rank 2220)

**MIT Battlecode 2018** <http://www.battlecode.org/> **Jan-Feb 2018**

- Created an AI to play a real time strategy game against AIs made by players from other teams
- Team Sudoers. Placed 5<sup>th</sup>-6<sup>th</sup> place in International Qualifiers. Only 4 teams qualified for finals

**RI Maurick Water Conference 2014** **Mar-Apr 2014**

- Built a website for RI-Maurick Water Conference
- Allowed attendees to submit PDFs of their research reports and provided relevant information for the event

## SPECIALIZED SKILLS

**Application Programming Languages:** C, C++, Java, Python (including numpy and pandas), OCaml, Matlab, VBA for Excel, ARM Assembly, Android, Swift

**Web Programming Languages:** HTML, CSS, Javascript (ES6), React (Frontend), Redux, Elixir/Phoenix (Backend)

Experience deploying Ubuntu servers on DigitalOcean

Experience with MySQL and PostgreSQL relational databases

**Hardware Programming Languages:** Verilog

**Instrument Usage:** DMM, SMU, Oscilloscope, Waveform Generator, DC Power Supply

Experience with Linux Command Line

**Foreign Languages:** Chinese (fluent)