

# JOSHUA SHENG

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[joshuasheng.com](http://joshuasheng.com)

## SKILLS

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Languages: Python, JavaScript ES6, HTML/CSS3, SQL, Racket  
Frameworks and Libraries: Bootstrap, Pandas, Matplotlib  
Other Technologies: MySQL, Git/Github, MS Office Product Suite  
Interests: Violin, Running, Reading, Programming

## EDUCATION

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**University of Waterloo** Waterloo, ON  
BCFM, Computing and Financial Management *Average: 90%* Sep 2020 - Jun 2025

## PROJECTS

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### Securities Master Database

*Python, SQL*

- Built a 1.2 million row database with MySQL containing daily open, high, low, and close data for current S&P 500 companies for the last 10 years.
- Scraped data from Yahoo Finance website using yfinance
- Imported data into the database with PyMySQL and visualized it with pandas and Matplotlib

### Portfolio Website

[joshuasheng.com](http://joshuasheng.com)

*HTML5, CSS3, JavaScript ES6*

- Built a fully-responsive mobile-first website with Bootstrap
- Incorporated animations and interactive elements with CSS and JavaScript
- Used Bootstrap features such as Carousels, Navbars, and Cards

### Online Blackjack

<https://github.com/JoshuaSheng/blackjack>

*HTML5, CSS3, JavaScript ES6*

- Built a functional online blackjack website
- Incorporates CSS Flexbox and CSS Grid in structuring the layout of the blackjack table
- Implemented audio using HTML and JS, and animations using CSS3
- Commented using JSDoc

## VOLUNTEER EXPERIENCE

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### Castleview Wychwood Nursing Home

July 2017 - August 2017

- Operated independently as a volunteer, developing social skills by interacting and taking care of residents
- Was given responsibility for tasks like operating the front desk, taking residents outside the nursing home, and feeding the residents.
- Reorganized the library, making books easier to access

### MakerFest

June 2018

- Operated the merchandise booth alongside two other volunteers, using Stripe to sell t-shirts
- Reorganized shelves and pulled inventory from the back, making the customer experience cleaner and giving customers more options
- Was made in charge of storing inventory for the next year, and created a labelling system that makes counting inventory easy for volunteers at next year 's festival.

## AWARDS

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### President's Scholarship of Distinction

University of Waterloo

Awarded for achieving over a 95% average on admission to the University of Waterloo

June 2020