

AARON TANG

Contact Information

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Programming

Languages: Javascript, Python, PHP, Java, HTML, CSS, C, C++, Bash Scripts

Frameworks/Libraries: React.js, Express.js, Node.js, Angular.js, Django Bootstrap, Tkinter, OpenGL

Database Systems: MySQL

Education

Ryerson University - Toronto, ON
(2017-2021)

Bachelor of Science:

Major in **Computer Science**

Minor in **Business Essentials**

4th year CGPA: 3.54 Dean's List

Interests and Hobbies

Stock Market Trading

- Using various indicators such as EMA, MA, RSI and MACD to better analyze current market trends and evaluate companies' current market value
- Over 50% portfolio growth in the last 12 months

Computer Optimization and Customization

- Created personal game server to avoid expensive 3rd party server costs
- Overclocked monitor, CPU and GPU to increase performance for those components with no extra costs

EXPERIENCE

Full Stack Web Developer

Elements of Knowledge (Jun 2020 - Apr 2021)

STEM tutoring institution and e-learning platform

- Built and launched an online educational application with React.js, Node.js, Express.js and MySQL on AWS Elastic Beanstalk
- Designed, developed and deployed user authentication using Passport.js and OAuth 2.0
- Promoted to team lead 2 months into project after demonstrating strong collaborative & leadership skills
- Advocated and persuade team to adopt agile principles in the software development lifecycle
- Implemented End-to-End and Regression tests to prevent production issues and test edge cases
- Database normalization in MySQL to minimize data redundancy

Food and Service Associate

Canada's Wonderland (May 2018 - Aug 2018)

- Operated the cash register during rush hours and delivered positive customer experience
- Worked effectively in a team of 10+ members

PROJECTS

Ride Share Application

Angular.js, PHP and MySQL

- Implemented Google Maps API to determine distance from start to destination
- Fully responsible for user authentication
- Incorporated hashing and salting for additional database security

Packing Words in Bins

Java

- Capitalized on the run time restriction of one minute by incorporating a mixture of brute force, requirement checking and safety checking
- Resulted in a top 10 score in my Data Structures class (CPS305)

Speed Clicker Game

Python Tkinter

- Built a game with an interactive graphical user interface for users to test their reaction times
- Scoreboard system updated and organized using Python Pandas software library

3D Battle Bot and Mesh generator

C++ and OpenGL API

- Included multiple primitive parts to construct the Battle Bot with movable components
- Converted customizable 2D curve to 3D mesh