

# AARON TANG

## CONTACT INFORMATION

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### Website

[aarontang.ca](http://aarontang.ca)

## PROGRAMMING

### Languages:

R, SQL, Python, Javascript, PHP, Java, HTML, CSS, C, C++, Bash Scripts

### Frameworks/Libraries:

Tidiverse, React.js, Express.js, Node.js, Angular.js, Django, Bootstrap, Tkinter, OpenGL

### Data Analytics Softwares

Tableau, SAS, Google Sheets, Excel

## EDUCATION

Ryerson University

Toronto, ON | 2017 - 2021

### Bachelor of Science:

Major in **Computer Science**

Minor in **Business Essentials**

4th year GPA: 3.54 Dean's List

### Google Data Analytics Certificate

## INTERESTS & 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, Team Lead

Elements of Knowledge (Jun 2020 - Apr 2021)

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

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

## PROJECTS

### Greatest Formula 1 Drivers Analysis

Tableau and SQL

- Implemented calculated fields with Level Of Detail (LOD) expressions for more complex analysis
- Created interactive parameters to allow users to adjust the filters and sorting for various visualizations
- Generated a dual-axis bar chart with multiple measures
- Formatted and styled the dashboard for an intuitive design
- Processed and cleaned data with SQL

### Cyclistic Bike Share Case Study

R (Tidiverse Package)

- Ensured column name and type consistency
- Aggregated the last 4 Quarters of Cyclistic's riders data
- Cleaned data by fixing data inconsistencies and removing unnecessary columns/inaccurate rider data
- Mutated data for clearer understanding and convenience for data visualizations
- Generated data visualizations using ggplot2 to analyze and display findings on how "casual" riders could be converted to "members"
- Provided recommendations based on the data analysis on new programs and campaigns to accomplish the company's objective

### 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

### Speed Clicker Game

Python (Tkinter and Pandas)

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