

Tianji Zhang

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SKILLS

- **Programming Languages:** Python, JavaScript, Java, C, C#, HTML, CSS, SQL, R.
- **Soft Skills:** Team player, critical thinker, effective communicator, self-directed learner.
- **Tools:** Git, Tableau, Google Workspace, and Microsoft Office Suite.

EDUCATION

University of Toronto

Honors Bachelor of Science in Computer Science, 4.0 cGPA

September 2020 - June 2024

- Current courses: Data Structures and Analysis, Software Design, Software Tools and Systems Programming, Introduction to the Theory of Computation, Probability with Computer Applications, Statistics for Computer Scientists, Multivariable Calculus.
- Completed courses: Introduction to Computer Programming, Introduction to Computer Science, Mathematical Expression and Reasoning for Computer Science, Computer Organization, Introduction to Statistical Reasoning and Data Science, Linear Algebra, Calculus.

Coursera

Google Data Analytics Professional Certificate

March 2021 - June 2021

- Demonstrated hands-on experience with data cleaning (SQL and Google Sheets), data visualization (Tableau), project management, interpreting and communicating data analytics findings.

WORK EXPERIENCE

Software Engineer Intern

National Collegiate Table Tennis Association | Saint Peters, MO

June 2021 - September 2021

- Developed a processor for annual data from 63 tournaments, with up to 350 matches each, using C# and SQL in a .NET Core 3.1 ecosystem.
- Updated association's website to ensure full-functionality and adheres to sponsorship agreements using HTML and CSS.

PROJECTS

Weather Data Statistics Reporter | Python

- Developed python code that reads historical weather data from files, stores that data in appropriate data structures, and then summarizes meaningful statistics based on that data.

Delivery Truck Scheduling Algorithms | Python

- Constructed 9 python algorithms to efficiently schedule parcels onto delivery trucks and plan the optimal route. Coded a plethora of pytests that compared each algorithm's performance.

LEADERSHIP AND VOLUNTEER EXPERIENCES

Pit Area and Scouting Lead

Fort Myers High School FIRST Robotics Team

August 2017 - July 2020

- Analyzed and collected live competition data to boost team performance by improving the strategizing process.
- Created metrics to statistically assess the strength of other teams, resulting in 3 awards and recognition in 115th Congress, Second Sessions: Vol. 164, No. 64.

Workshop Speaker and Volunteer

STEMnist Movement

September 2018 - July 2020

- Presented interactive statistics and probability activities to generate interest in STEM among female middle school students.