EVAN ZHENG

evanzheng.com | github.com/richmondvan | me@evanzheng.com | 647-278-0388

LANGUAGES & TECHNOLOGIES

- Experienced in Python and Java
- Familiar with C, C++, JavaScript, and SQL

- Knowledgeable about Android development, JavaFX, Maven, Gradle, SQLite, PyGame, NumPy, ReactJS, and Node.js.

WORK EXPERIENCE

Kumon Math and Reading Centre of Vaughan- Dufferin Hill   Vaughan, ON
Assistant Teacher and Grader   September 2019 - Present
- Taught mathematical concepts from basic counting up to calculus for students aged 5-18
- Helped students develop writing and literacy skills as part of Kumon's reading program

ACHIEVEMENTS

USA Computing Olympiad   March 2020
Gold Division

Canadian Computing Competition (Senior)   February 2020
Certificate of Distinction

Canadian Senior Mathematics Competition   November 2019
Top 50 in Canada (1%)

PROJECTS

Shapevolve (evanzheng.com/Shapevolve)   July 2020
- Built a genetic algorithm library that recreates artworks with circles, using Python 3.
- Used NumPy, OpenCV, and PyInstaller libraries, among others, and released on PyPI.

Three-Body Simulation (evanzheng.com/threebodysimulation)   June 2020
- Developed a JavaFX desktop app to computationally simulate a three-body problem in classical mechanics.
- Packaged into a native Windows app using GraalVM and a JAR file using Apache Shade and Launch4J.
- Used Maven build tools and Apache Commons Math and CSV libraries, among others.

BiblioBarcode (evanzheng.com/BiblioBarcode)   March 2020
- Built a complete Android app that scans photos of ISBN barcodes in order to create a formatted bibliography.
- Written using Java and SQL on Android Studio, with Gradle build tools.
- Utilized Google's Mobile Vision and Books APIs, among others.

EDUCATION

St. Theresa of Lisieux CHS   Richmond Hill, ON
Class of 2021   September 2017 - Present
98% '19-'20 Average, Awarded Principal's List (Top 5 in Grade Level)

MOOCs: Harvard CS50x, Machine Learning at Stanford University