

EVAN ZHENG

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SKILLS

Languages: Java, Python, JavaScript, SQL, C, HTML, CSS

Technologies: React.js, Node.js, Maven, Gradle, JavaFX, Android, SQLite, Git, Firebase, NumPy

PROJECTS

Personal Website (evanzheng.com) | **Node.js, React.js, Bootstrap** August 2020

- Built a responsive personal website using HTML, CSS, NodeJS, ReactJS, and Bootstrap.
- Deployed using Github Pages and Google Domains.

Shapevolve (evanzheng.com/Shapevolve) | **Python 3, NumPy, Jupyter Notebooks** July 2020

- Published a Python 3 library that recreates artworks with circles using a genetic algorithm that utilizes multiprocessing.
- Used NumPy, OpenCV, and PyInstaller libraries, among others, and released on PyPI.

Three-Body Simulation (evanzheng.com/threebodysimulation) | **Java, JavaFX, Maven** 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) | **Java, Android, SQLite, Gradle** March 2020

- Built an 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.

AWARDS

Canadian Mathematical Olympiad March 2021

Direct Qualification, Top 50 in Canada

Canadian Computing Competition February 2021

Certificate of Distinction, Top 10%

USA Computing Olympiad March 2020

Gold Division

WORK EXPERIENCE

Kumon Math and Reading Centre of Vaughan- Dufferin Hill Vaughan, ON

Assistant Teacher and Grader

September 2019 - March 2020

- 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

EDUCATION

St. Theresa of Lisieux CHS

Class of 2021, Principal's List (Top 5 Grade Average)

Richmond Hill, ON
September 2017 - Present

Online Courses: Harvard CS50x, Machine Learning at Stanford University
