Evan Tao

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EDUCATION

Relay Graduate School of Education　　　　　　　　　　　　　　　New York, NY
MA Adolescent Education Mathematics *GPA: 3.26*　　　　　　　　Jul 2019 - Jun 2021

University of Pennsylvania　　　　　　　　　　　　　　　　　Philadelphia, PA
BS Computer Science *GPA: 3.44*　　　　　　　　　　　　　　　Sep 2014 - Jun 2018

Stuyvesant High School　　　　　　　　　　　　　　　　　　New York, NY
Sep 2010 - Jun 2014

WORK

Central Park East High School　　　　　　　　　　　　　　　New York, NY
Lead Computer Science Teacher　　　　　　　　　　　　　　　Sep 2019 - Present

- Founded the school's AP Computer Science A program (**Java**) in 2023
- Designed full-year **Python** course for upperclassmen students
- AP Computer Science Female Diversity Award winner in 2019-2022 (more than 50% female exam takers)
- Achieved 81% college readiness scores in AP Computer Science Principles in 2022 (20% higher than NY average)
- Selected by Collegeboard to score end-of-year AP Computer Science projects in 2020, 2023
- Designed CS component of 3-week Summer Bridge program for incoming high school freshmen
- Mentored 4 students to compete at Cornell University High School Programming Competition
- Organized tech talks for 10+ students at Google, Spotify and Infor

TECHNICAL SKILLS

Languages (Proficient):	Java, Python, Ruby
Languages (Prior Experience):	SQL, HTML, CSS, Javascript
Tools & Frameworks:	PostgreSQL, AWS, DynamoDB, Node.js, Vue.js, Bootstrap, Git

PROJECTS

Fantasy Olympics Game
github.com/evantao96/Fantasy-Olympics

- Developed multiplayer fantasy Olympics game with **Python** and **Node.js**
- Deployed **MySQL relational database** in cloud environment **Amazon AWS** to store Olympic athlete information
- Implemented username and password verification with **NoSQL database (DynamoDB)**
- Used reactive **Javascript** framework **Vue.js** to build responsive single-page front-end

Spotify Quiz Generator
github.com/evantao96/Spotify-Quiz-Generator

- Built RESTful quiz application with **Ruby on Rails back-end** and Spotify API
- Created **PostgreSQL relational database** to preserve user accounts even after the application is closed
- Used **HTML, CSS** and **Javascript** to design web UI front-end with 6+ different pages

Computational Face Recognition Model
github.com/evantao96/Face-Recognition

- Implemented physiologically plausible model of face recognition with **Python, NumPy** and **SciPy**
- Used **SVC machine learning** to classify 400+ face image dataset with 80% accuracy

NBA Player Network
github.com/evantao96/NBA-Player-Network

- Generated network of NBA players using **object-oriented programming** in **Java**
- Used **JSoup library** to web scrape 8 categories of player data from Basketball Reference website