

EVAN TAO

(929) 519-3390 · evantao96@gmail.com · Portfolio · LinkedIn · Github

EDUCATION

University of Pennsylvania
Bachelor of Science in Computer Science
GPA 3.44 · Dean's List 2015-2016

Philadelphia, PA
Sep 2014 - Jun 2018

Stuyvesant High School

New York, NY
Sep 2010 - Jun 2014

WORK

New York City Department of Education
Lead Computer Science Teacher · Java, Python, Javascript

New York, NY
Sep 2019 - Present

- Founded and established the school's AP Computer Science A program in Java
- Designed AP Computer Science Principles lessons in Javascript, culminating in a 10-hour capstone project
- Developed elective course in Python, covering topics in advanced algorithms and data structures
- Achieved an 81% college readiness rate in AP Computer Science Principles in 2022, exceeding the NY average by 20%
- Won the AP Computer Science Female Diversity Award winner from 2019 to 2023 (more than 50% female exam takers)
- Selected by Collegeboard to score end-of-year AP Computer Science projects in 2020, 2023 and 2024
- Designed the computer science component of a 3-week Summer Bridge program for incoming high school freshmen
- Mentored 4 students for the Cornell University High School Programming Competition
- Organized tech talks for over 10 students at Google, Spotify and Infor offices

Columbia University
Independent Developer · Python

New York, NY
Jul 2018 - Sep 2019

- Implemented a face recognition model in Python, based on research findings by Riesenhuber and Poggio
- Designed an innovative layer of the neural network using the NumPy and SciPy libraries, demonstrating physiological plausibility
- Employed SVC machine learning techniques to classify a dataset comprising over 400 face images, achieving an 80% accuracy rate

PROJECTS

Fantasy Olympics · GitHub
Python, Node.js, Vue.js, MySQL, NoSQL, Amazon AWS

- Created multiplayer fantasy Olympics game featuring a Node.js back-end, Python web-scraping and a Vue.js front-end
- Utilized a MySQL database to store 20,000 Olympic athlete entries
- Implemented username and password verification using a NoSQL DynamoDB database
- Deployed application to cloud environment using Amazon AWS Elastic Beanstalk

Spotify Quiz Generator · Live View · GitHub
Ruby on Rails, PostgreSQL, RESTful API, Javascript, HTML, CSS

- Built a fully-functional RESTful quiz application with Ruby on Rails back-end and integration of the Spotify API
- Established a PostgreSQL database to maintain user accounts persistently
- Designed a responsive front-end with more than 10 different views using Javascript, HTML and CSS

TECHNICAL SKILLS

Languages (Proficient)	Java, Python, Ruby on Rails
Languages (Prior Experience)	SQL, Javascript, HTML, CSS
Tools and Frameworks	Amazon AWS, MySQL, PostgreSQL, NoSQL, Node.js, Vue.js, Bootstrap, Git