

EVAN TAO

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EDUCATION

Relay Graduate School of Education MA Adolescent Education Mathematics <i>GPA: 3.26</i>	New York, NY Jul 2019 - Jun 2021
University of Pennsylvania BS Computer Science <i>GPA: 3.44</i>	Philadelphia, PA Sep 2014 - Jun 2018
Hong Kong University of Science and Technology	Hong Kong Jan 2018 - Jun 2018
Stuyvesant High School	New York, NY Sep 2010 - Jun 2014

WORK

Central Park East High School <i>Lead Computer Science Teacher</i>	New York, NY Sep 2019 - Present
<ul style="list-style-type: none">• Founded the school's AP Computer Science A program (Java) in 2023• Achieved 81% college readiness scores in AP Computer Science Principles in 2022 (20% higher than NY average)• AP Computer Science Female Diversity Award winner in 2019-2022 (more than 50% female exam takers)• Scored end-of-year AP Computer Science projects for Collegeboard in 2020, 2023• Designed CS component of 3-week Summer Bridge program for incoming high school freshmen• Sent 4 students to compete at Cornell University High School Programming Competition• Organized tech talks for 10+ students at Google, Spotify and Infor• Served as faculty advisor of Coding Club and STEM Club	

COMPUTER SCIENCE PROJECTS

Fantasy Olympics Game <i>github.com/evantao96/Fantasy-Olympics</i>	<ul style="list-style-type: none">• Developed multiplayer fantasy Olympics game with Node.js and MySQL database (AWS EC2)• Implemented username and password verification with NoSQL database (DynamoDB) and hash encryption• Optimized application login time by 700ms by indexing database entries
Music Album Quiz Generator <i>github.com/evantao96/Music-Album-Quiz</i>	<ul style="list-style-type: none">• Developed RESTful web application where users create music quizzes using Ruby on Rails, JSON data and Spotify API• Created SQLite relational database to preserve user accounts and quizzes even after the application is closed• Used HTML, CSS and Javascript to design dynamic front-end with 6+ navigable pages
Computational Face Recognition Model <i>github.com/evantao96/Face-Recognition</i>	<ul style="list-style-type: none">• Implemented physiologically plausible model of face recognition with Python 2D arrays, NumPy and SciPy• Used SVC machine learning to classify 400+ face image dataset with 80% accuracy
NBA Network Visualization <i>github.com/evantao96/NBA-Network-Analysis</i>	<ul style="list-style-type: none">• Generated network of NBA players across 2 seasons using Java HashMaps and LinkedLists• Used JSoup to scrape 8 categories of player data from Basketball Reference website

TECHNICAL SKILLS

Languages (Proficient):	Java, Python
Languages (Prior Experience):	SQL, C, Ruby on Rails, Matlab, Go, HTML, CSS, Javascript
Tools & Frameworks:	AWS, DynamoDB, SQLite, Node.js, Vue.js, Bootstrap, Git