

# EVAN TAO

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## EDUCATION

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

## WORK

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

## COMPUTER SCIENCE PROJECTS

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<b>Fantasy Olympics Game</b> <i>github.com/evantao96/Fantasy-Olympics</i>
<ul style="list-style-type: none"><li>• Developed multiplayer fantasy Olympics game with <b>Node.js</b> and <b>MySQL database (AWS)</b></li><li>• Implemented username and password verification with <b>NoSQL database (DynamoDB)</b> and <b>hash encryption</b></li><li>• Optimized application performance by 75% by indexing database entries</li></ul>
<b>Music Album Quiz Generator</b> <i>github.com/evantao96/Music-Album-Quiz</i>
<ul style="list-style-type: none"><li>• Developed RESTful web application where users create music quizzes using <b>Ruby on Rails</b> and <b>Spotify API</b></li><li>• Created <b>SQLite</b> relational database to preserve user accounts and quizzes even after the application is closed</li><li>• Used <b>HTML</b>, <b>CSS</b> and <b>Javascript</b> to design dynamic front-end with 6+ navigable pages</li></ul>
<b>Computational Face Recognition Model</b> <i>github.com/evantao96/Face-Recognition</i>
<ul style="list-style-type: none"><li>• Implemented physiologically plausible model of face recognition with <b>Python 2D arrays</b>, <b>NumPy</b> and <b>SciPy</b></li><li>• Used <b>SVC machine learning</b> to classify 400+ face image dataset with 80% accuracy</li></ul>
<b>NBA Network Visualization</b> <i>github.com/evan-cao/NBA-Network-Analysis</i>
<ul style="list-style-type: none"><li>• Generated network of NBA players across 2 seasons using <b>Java HashMaps</b> and <b>LinkedLists</b></li><li>• Used <b>JSoup</b> to scrape 8 categories of player data from Basketball Reference website</li></ul>

## TECHNICAL SKILLS

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