Jeffrey Ting

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Professional Experience

Rubik's Cube Club **Boston, MA**
Co-founder/E-board Member **09/2021-Present**
- Led a small team's effort to gain official club approval by research the requirements and managing the work assigned to each member
- Taught new students how to solve various twisty puzzles, including the standard 3x3 Rubik's cube
- Trained experienced students how to solve puzzles quicker and more efficiently

Lavner Education **Garden City, NY**
IT Intern **06/2023-08/2023**
- Taught students how to use various programming languages, such as ScratchJr/Scratch, Python, C++, Java, Bash, HTML/CSS, and JavaScript
- Led classes on the terminal/Bash, programming basics, Git/GitHub, web app development, and game development
- Adapted curricula and teaching methods to best accommodate to individual students' needs

Stanford University **Remote**
Section Leader **04/2023-06/2023**
- Instructed a class of 15 students each week and taught them the fundamentals of programming with Python
- Prepared weekly lessons, answered questions on the section forum, and helped students review, condense, optimize, and clearly document their code

Future Tech Enterprise Inc. **Holbrook, NY**
Configuration Center Intern **06/2017-06/2023**
- Optimized production workflow through the implementation of physical improvements and the creation of software scripting efficiencies; also significantly reduced the number and sources of error
- Set up, imaged, and processed millions of dollars worth of product

Projects

SPOTIFY RANKING MESSENGER
- Sends users an SMS message updating them on their music listening habits at the end of every month
- User data is stored in an Oracle database on Oracle's cloud services
- Spotify's Web API is used to obtain users' listening data and Twilio is used to send this data, via SMS messages, to them
- Accessible here: https://kingtingthegreat.github.io/Spotify-Message-Ranking/

LEGO IMAGE CONVERTER
- Developed a full-stack web application that converts an input image to a Lego mosaic
- Uses PIL to convert the image and openpyxl to create a spreadsheet of the parts required to build the piece in real life, allowing users to bring digital pictures into the physical world through Lego bricks.
- This project is hosted on Vercel: https://image-to-lego.vercel.app/

RUBIK'S CUBE SOLVER
- Designed a full-stack web application that allows users to input a 3x3 Rubik's Cube state and get a near-optimal solution for that state
- Wrote and implemented a simple RESTful API using Flask and hosted on Vercel so other developers may easily create their own frontend with the same backend functionality: https://rubiks-cube-solver.vercel.app/api/
- The frontend is hosted on GitHub Pages: https://kingtingthegreat.github.io/CubeSolver/

Education

BOSTON UNIVERSITY **Boston, MA**
Bachelor's Degree, Major in Computer Science; Major in Philosophy; Minor in Women's Studies **2021-2025**
GPA: 3.84

- Discrete Mathematics
- Computer Systems
- Concepts of Programming Languages
- Foundations of Data Science and Machine Learning
- Linear Algebra
- Probability in Computing
- Algorithm Design and Analysis
- Web Application Development

Skills

Python, OCaml, Java, C#, C/C++, HTML/CSS, JavaScript, React, Twilio, Flask, Vercel, SQL, Oracle, ORM, DAO, LaTeX, Git/GitHub
Effective Communication, Teamwork, Technical Writing, Microsoft Team, Discord, Slack