

KEVIN JIANG

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EDUCATION

Columbia University

New York, NY

- B.A. in Computer Science | GPA: 3.77 / 4.0
- *Relevant coursework:* Natural Language Processing, Artificial Intelligence, Strategic Design, Systems Programming in C and C++, Computer Graphics, Computer Vision, Computer Science Theory, Data Structures in Java

Expected: May 2019

Newark Academy

Livingston, New Jersey

- Cum Laude Society | International Baccalaureate | GPA: 3.95 (/4.0) | SAT: 2300

May 2015

EXPERIENCE

BNY Mellon

New York, NY

Data Science Intern

Summer 2018

- Set up Neo4j graph database on a Linux machine and installed semantics plugin to allow for creation of knowledge graph
- Collaborated with ELK team to contextualize Thomson-Reuters legal entity data with internal company structural information
- Performed information extraction on unstructured data (financial news, company announcements, stack overflow) using OpenCalais
- Assessed various anomaly detection algorithms (k-means, k-modes, Bayesian networks) to be used in trade-failure detection

BNY Mellon

New York, NY

Product Management Intern

Summer 2017

- Prototyped a data visualization tool with Microsoft HoloLens that demonstrated tangible business applications of augmented reality
- Wireframed dashboards for Asset Strategy View, a big data product that generates market intelligence across \$1.8 trillion in assets
- *Side project:* Shot and edited a professional quality marketing/recruiting video, saving significant budget normally spent on third-party digital media contractors: <https://youtu.be/YeiR3Zh2H9Y>

Freelance Digital Artist

New York, NY

Digital Media Production | www.thekevinjiang.com

December 2015 - Present

- Professional photography, film production, motion design, and graphic design
- Clients include the United Nations, Lincoln Center, The Juilliard School, Yin Yue Dance Company, and Estelle Finkel

Columbia Photography Association

New York, NY

President

October 2015 - Present

- Adobe Creative Cloud Campus Ambassador for Columbia University
- Wrote Python scripts to support the executive board by automating job-handling workflow, book keeping, and content management
- Coordinate over 150 paid photo shoots per semester with clients both on and off campus
- Oversee operations and delegate responsibilities for 7 board members and 40 student photographers

PROJECTS

Rubik's Cube Solver

- Learned OpenCV in Python 3 to scan sticker colors on a scrambled Rubik's Cube
- Implemented Kociemba's algorithm to find optimal solution for any given valid cube state

"Raytra" 3D Renderer

- Developed C++ program that parses SCN files and renders photo-realistic 3D scenes based on the Blinn-Phong shading model
- Implemented functionalities such as Monte Carlo ray tracing, diffuse shading, reflections, and refraction

Personal Website – <http://kevinj.io>

- Responsive SVG animations created in Adobe After Effects and rendered web-friendly using the Lottie library from Airbnb
- Built from scratch in pure HTML/CSS/JS without the assistance of frontend libraries such as Bootstrap

EXTRACURRICULARS

Jazz Saxophonist & Trombonist

- Perform professionally on trombone and saxophone at major venues across New York, San Francisco, and Japan
- Featured on Neil deGrasse Tyson's television show *StarTalk* alongside Sean Lennon, Herbie Hancock, and Wayne Shorter

Rubik's Cube Speedsolver

- Record solve time: 7.54 seconds. Ranked top 10% worldwide by the World Cube Association
- Taught a class of elementary school students to solve Rubik's Cubes using a basic method consisting of 7 algorithms

TECHNICAL SKILLS

- **Languages:** Python, C, C++, Java, SQL, Cypher, HTML, CSS, Javascript | **Spoken:** Chinese, French
- **Tools:** TensorFlow, Keras, OpenCV, Numpy, Scipy, Requests, Tkinter, Neo4j, Git/Github, UNIX, Flask, Highcharts
- **Digital Media:** Adobe Photoshop, Lightroom, Premiere, After Effects, Final Cut, Cinema 4D, Sony Alpha, Canon EOS