# Kevin Jiang

*New York, New York, United States*

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## Education

**Columbia University**                                                    *New York, NY*

B.A. IN COMPUTER SCIENCE | GPA: 3.8                                        *May 2020*

- Coursework: Applied Deep Learning, Strategic Design, Computer Vision, Computer Graphics, Artificial Intelligence, Natural Language Processing
- Dean's List, President of Freelance Photography Association, Social Media Manager for Columbia Jazz House

## Work Experience

**Simple Fractal**                                                         *New York, NY*

FULL-STACK SOFTWARE ENGINEER                                              *2021 - Present*

- Built scheduling service for a healthcare client which automated a previously manual workflow for over 10,000 nursing shifts per month. Leveraged cloud technologies such as AWS lambdas and step functions to parallelize large workflows. Designed and iterated on a matching algorithm based on nurse qualifications, availability, and preferences.
- Wore many hats: contributed to 2 separate teams, conducted technical interviews, reviewed take-home coding challenges, created marketing demo materials for our products, managed client relations, on-boarded new employees.

**Harmony Cloud**                                                         *New York, NY*

SOFTWARE ENGINEER                                                        *2020 - 2021*

- React Native app based on a novel algorithm that generates unpredictable yet compelling harmonic progressions.
- Worked with GRAMMY-nominated musician and educator Stefon Harris to implement exercises using this algorithm to challenge musicians in new ways, seeking to expand their understanding of harmony and improvisation.

**Sole Proprietor**                                                       *New York, NY*

FREELANCE PHOTOGRAPHER                                                   *December 2015 - Present*

- Film, photography, and motion design for clients such as the United Nations, Lincoln Center, Juilliard, and Columbia.
- Media Portfolio: https://kevinjiang.work/

**Bank of New York Mellon**                                              *New York, NY*

PRODUCT DESIGN INTERN                                                    *Summer 2018*

- Built a prototype data visualization tool with Microsoft HoloLens, demonstrating tangible business applications of augmented reality (AR)
- Wireframed dashboards for a big data product (Asset Strategy View) generating market intelligence across multiple business lines.

## Skills

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| **Tools** | NodeJS, React/Redux, Django, AWS, SQL, Puppeteer, UNIX, Git/Github, TensorFlow, Keras, OpenCV |
| **Languages** | Python, JavaScript, HTML/CSS, C, C++, Java |

## Projects

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| Spring 2020 | **Jazz Transformer,** Leverages attention-based neural networks to generate authentic, nuanced jazz music. Used TensorFlow and Google Magenta. Demo: https://youtu.be/1toMY3OR1Mg |
| Summer 2019 | **Scriber,** React Native app that uses Google Natural Language API to provide real-time speech-to-text transcription for lecturers, tour guides, and other groups. Won first place at Horizons Summer Immersive Hackathon. |
| Summer 2019 | **Freelance Photography Portal,** Designed and implemented a web application that streamlines the job handling workflow for over 150 photography contracts per year. |

## Extracurriculars

JAZZ SAXOPHONIST & COMPOSER

- Perform professionally on trombone and saxophone at major venues such as Lincoln Center (NYC), Tokyo Blue Note (Japan), Monterey Jazz Festival (CA)
- Featured on Neil deGrasse Tyson's television show StarTalk alongside Sean Lennon, Herbie Hancock, and Wayne Shorter
- Composed original scores for short films. Organized dozens of musicians to rehearse and record.