Kevin Xu

70 Morningside Drive, kkx2102, New York, NY 10027
www.linkedin.com/in/kevin-k-xu/ • github.com/kev-in-xu
kkx2102@columbia.edu • (347) 640-0278

EDUCATION

Columbia University, Columbia College   **New York, NY**
Bachelor of Arts in Biology and Computer Science   *Expected May 2026*
- **GPA: 4.07**
- **Relevant Coursework:** Computational Genomics, Biochemistry, Cell Biology, Machine Learning, DS&A

EXPERIENCE

Roche Molecular Diagnostics   **Pleasanton, CA**
Assay Bioinformatics Intern   *May 2024 – Aug 2024*
- Architected and built key experimental design tool for high-throughput testing of PCR assays in 12 weeks using Python
- Accelerated experiment design time by 40-fold by automating sequence alignment, DNA barcoding, and structural analysis
- Ensured rapid integration of tool into existing software suite via bi-weekly code reviews, unit testing, and Git version control
- Presented tool to 15 stakeholders with a live web app demo, literature review of algorithms, and command-line documentation

Columbia University, Danino Lab   **New York, NY**
Undergraduate Research Assistant   *Feb 2024 – Present*
- Delivered cancer drugs across the blood-brain barrier in vitro by cloning OmpA and Ibe genes into inactivated *E coli.* vectors
- Modeled bacterial BBB penetration in healthy and tumor conditions using machine learning and *in vitro* Transwell data

Plug and Play Tech Center   **New York, NY**
University Program Fellow   *Sept 2023 – May 2024*
- Evaluated over 400 early-stage Health Tech startups on their team, technology, value proposition, and competitive advantage
- Submitted investment memo with research and recommendations on enterprise AI startup to investment team for review

Columbia Medical School, Greene Lab   **New York, NY**
Undergraduate Research Assistant   *June 2023 – Aug 2023*
- Assembled pipeline exploring DNA-repair proteins, Rad51 and Dmc1, across 1000+ taxa using Python and NCBI BLAST
- Identified experimental targets by analyzing protein-protein interfaces across 15 model organisms using AlphaFold and PyMol

Singapore Armed Forces   **Singapore, Singapore**
Artillery Officer   *Dec 2020 – July 2022*
- Arranged and conducted training for over 70 artillerymen for 6 months to improve combat operational skills and fitness
- Led a 30-man task force at the Ministry of Health to perform full-time contact tracing during the COVID-19 pandemic

ACTIVITIES

Columbia Venture Partners   **New York, NY**
Co-President   *Oct 2022 – Present*
- Curated monthly newsletters featuring speaker events, industry news, and research articles to over 1200 online subscribers
- Managed Medium blog as editor and writer with biweekly articles on market research and recaps of speaker events
- Completed, then co-taught a 10-week education program to develop knowledge of valuation, term sheets, and industry trends

Systems Biology Initiative   **New York, NY**
Podcast Host   *Dec 2022 – Present*
- Recorded and published 7 hour-long episodes with life science researchers and entrepreneurs for the CU BioWorks podcast
- Organized a day-long Biotech Summit of 160 people, 3 panels, and a pitch competition by coordinating speakers and sponsors

SKILLS & INTERESTS

Skills: Python, Java, Jupyter Notebooks, Git, Microsoft Office, RNAseq, Cell Culture, Bacteria Cloning, Data Visualization
Languages: Chinese (bilingual), Latin (reading and writing)
Interests: Long-Distance Running, Hiking, Wood Carving, Cooking, Plant and Fungi Photography