

Junhong “Jun” Liao

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EDUCATION & TECHNICAL SKILLS

Columbia University

New York, NY

Bachelor's Degree, Computer Science, Cumulative Undergraduate GPA: 3.72

Expected May 2025

Programming Experience: Python, Java JavaScript (HTML, CSS), C, Scala

Frameworks & Libraries: Spring/Spring Boot, Mockito, JUnit, Micrometer

Developer Tools: Git, Docker, MongoDB, InfluxDB, MySQL, Datagrip, Maven, Postman, IntelliJ, VSCode, Vim

Data Visualization & Collaboration Tools: Grafana, Lucidchart, Studio3T, Jira, Anaconda, Jupyter

Additional Skills: Corporate Accounting, Financial Modeling, Presentation/Public Speaking, Market Research, Advanced Excel/PPT

PROFESSIONAL EXPERIENCE

Ultimate Software (UKG)

Miami, FL

Software Engineer Intern

January 2023 – August 2023

- Led design and implementation of a software solution leveraging Java, Spring, and Micrometer to track MongoDB query performance across my team's software. Successfully identified bottlenecks and optimized query efficiency with new indexes, achieving an ~82% overall decrease in inefficient queries (>100ms) over 3 weeks in our core app
- Built, tested, and shipped a new API endpoint for the next generation of my team's flagship app, introducing search, update, and delete functionality for customer data. The endpoint is projected to streamline operations for 40+ internal dev teams
- Improved precision of HTTP return codes within our core app's gateway microservice, resulting in a ~60% drop in engineering support tickets linked to vague error responses, saving the team 2-3 hours per week
- Worked closely with my engineering manager/product team on the design and rollout of comprehensive API documentation for the forthcoming iteration of our customer registry internal developer tool

Bain Capital Ventures

New York, NY

Part-Time Community Development Intern

February 2022 – October 2022

- Worked directly with a venture partner to strategically build and grow Columbia's biggest tech-focused alumni community. Helped double membership over the course of a year by spearheading our newsletter initiative with over 1k monthly readers
- Planned speaker panels, alumni office hours, and in-person events for 570+ Columbia students and alumni in the tech space

TPG Capital

New York, NY

Summer Investment Analyst

June 2022 – September 2022

- Investigated market trends and conducted user research to create a thesis and strategic discussion materials for a potential \$320M hotel investment. Successfully presented and defended my recommendation to firm partners
- Led a cross-functional project across four internal divisions, including financing, legal, asset management, and several investment teams to create a report with critical updates on our largest investments, competitive landscape, and quarterly key success metrics, to support our executive team in preparing for our firms public earnings report announcement

J.P. Morgan

New York, NY

Investment Banking Summer Analyst

June 2021 – August 2021

- Devised and presented a public debt financing recommendation for a \$3.2B-dollar-client to senior bankers
- Created, updated, and presented regular reports on the state of the public debt/equity capital markets
- Built and modified financial models to assess profitability and credit impact of syndicated and leveraged financing

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Columbia Application Development Initiative (ADI)

New York, NY

Committee Member

September 2021 - September 2022

- Planned and oversaw weekly coding bootcamps and community-based events held on campus/virtually
- Helped manage a mentorship program of 50+ students and conducted outreach/coordinated with 10+ guest speakers

CodePath | Management Leadership for Tomorrow

New York, NY

Career Prep Fellow

December 2021 - Present

- Earned selection to an 18-month professional technical development program
- Attended seminars and conferences hosted by industry leaders including Google, Netflix, and Meta