

# Junhong “Jun” Liao

junhongliao.com | j.liao@columbia.edu | linkedin.com/in/junhongliao | 407.284.8519

## 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, Public Speaking, Presentation, 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, 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
- Collaborated 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 drive a 100% increase in membership in 8mo by spearheading our newsletter initiative with over 1k readers
- Planned speaker panels, office hours, and social 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
- Employed discounted cash flow and comparable property/transaction analysis in conjunction with market research to evaluate the quality of potential commercial real estate investments
- 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 & EXTRACURRICULAR 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