

Junhong 'Jun' Liao

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EDUCATION

Columbia University

New York, NY

Bachelor's Degree, Computer Science

Relevant Coursework: Artificial Intelligence; User Interface Design; Malware Analysis & Reverse Engineering; Computer Architecture & Digital Logic Design; Probability & Statistics; Computer Science Theory; Databases (SQL, NoSQL); Discrete Mathematics; Advanced Programming (C, Unix Systems, Networking); Data Structures & Algorithms; Multivariable Calculus; Object-oriented programming in Java; C Programming

Extracurriculars: Undergraduate Fellowship, Bain Capital Ventures; Board Member, Application Development Initiative (ADI); Technical Fellow, CodePath; Career Prep Fellow, Management Leadership for Tomorrow (MLT); Columbia Organization of Rising Entrepreneurs (CoRE); Columbia CyberSecurity (CuCyber);

PROFESSIONAL EXPERIENCE

UKG Inc.

Miami, FL

Backend Software Engineer Intern

January 2023 - August 2023

- Led design and implementation (Java, Maven, Spring Boot) of an application to track MongoDB performance for my team's query microservices. Built a data pipeline to create a custom metrics dashboard with Grafana and InfluxDB, and worked directly with engineering and product leads to publish comprehensive API documentation
- Leveraged data and trends from custom metrics dashboard to identify performance bottlenecks and optimize query efficiency with new MongoDB indexes, achieving a ~82% decrease in inefficient queries within the span of 3 weeks
- Built, tested, and shipped a new API endpoint for a new application, introducing search, update, and delete functionality for customer data, projected to streamline operations for 40+ internal dev teams

Bain Capital Ventures

New York, NY

Columbia in Tech Fellowship

February 2022 - October 2022

- Worked directly with a venture partner to strategically build and grow Columbia's largest tech-focused alumni community
- Drove a 2x increase in our membership over 8mo. by spearheading our community newsletter (1k+ monthly readers)

J.P. Morgan Chase & Co.

New York, NY

Investment Banking Summer Analyst

June 2021 - August 2021

- Devised, crafted, and presented a \$250M strategic leveraged-financing deal for a \$3.2B-dollar-client to senior bankers
- Built financial models to assess the feasibility of syndicated and leveraged financing for a diverse range of large-cap clients
- Created and presented regular reports on the state of the public debt/equity capital markets

PROJECTS

Arthub (www.joinarthub.com)

New York, NY

Technical Co-Founder

June 2024 - Present

- Spearheaded product strategy and secured a partnership with UAL, the world's #2-ranked art school, to power student portfolios—accelerating early user acquisition and validating product-market fit.
- Led a cross-functional team of three engineers, driving weekly sprint planning and product roadmap alignment across a fast-moving technical environment.
- Designed and deployed a data-driven marketing website with integrated A/B testing infrastructure to analyze user behavior, prioritize features, and iterate quickly based on engagement insights.

Hocus Focus

New York, NY

Founder

September 2023 - December 2023

- Built and published a Chrome web extension for people with ADHD to create a more accessible web reading experience
- Conducted 20+ user interviews with people who reported ADHD to map MVP features to targeted user pain points

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, Scala, x86 Assembly

Backend: OpenAI, Spring Boot, FastAPI, SQL, MongoDB, InfluxDB, Uvicorn | **Frontend:** React.js, Next.js, HTML5, Tailwind CSS

Cyber Security: FlareVM, IDA Pro, Wireshark | **Databases:** MongoDB, InfluxDB, PostgreSQL, MySQL, Studio3T

Developer Tools: GCP, AWS, Firebase, Git, Kubernetes, Docker, Linux, Grafana, Maven, Postman

Agile: Atlassian Jira, Confluence (API Documentation), Lucidchart, Figma