Kechun Wu

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EDUCATION

Duke University **Durham, NC**

B.S. in Economics & B.S. in Computer Science (AI and Machine Learning Concentration) | GPA: 3.97/4.00 *May 2027*

- Relevant Coursework: Algorithms (dynamic programming, graph algorithms, max flow, NP-hardness), Machine Learning (SVMs, decision trees, CNNs, transformers), Computer Systems (C: memory allocator, key-value store), Data Structures
- Honors: SEO Career Fellow, Dean's List with Distinction (2025), Global Fellow, Mac Anderson Scholar (study abroad)
- Study Away (2025): Aix-en-Provence and Paris, France (all coursework in French); Duke in New York (1 of 15 selected)

WORK EXPERIENCE

UBS **New York City, NY**

Global Markets Sales & Trading Summer Intern *June 2026 – August 2026*

- Built a Python pre-open dashboard on my own initiative, replacing traders' multi-screen morning routine with one page of overnight moves, catalysts and source-linked LLM news summaries; iterated with users until 30+ of them used it daily
- Analyzed 2.9M+ equity executions in Python and kdb+/q to diagnose an underperforming liquidation algorithm; isolated losses to one execution mode in high-spread, high-volatility names (−13.4 vs. +8.4 bps); the desk implemented my fixes
- Built a reusable Python backtesting workflow with out-of-sample testing so teammates could test any systematic strategy without starting from scratch; used it myself to build a wheat futures strategy on 13 to 19 years of historical market data

SMILO (Small Islands Organisation) **Marseille, France**

Research and Strategy Intern *July 2025 – August 2025*

- Benchmarked 3 paid funding-tracking platforms against building in-house; recommended a hybrid option under $500
- Built the in-house tracker using APIs, RSS feeds and scrapers to automate the team's tracking of 15+ funding sources

China Resources Trust **Hong Kong, China**

Public Markets Data Engineering Intern *May 2025 – July 2025*

- Automated daily T/T+1 reporting for post-trade operations staff across 1,000+ structured trust products, refining the Python tools through several rounds of user feedback to cut reporting errors by 70% and save the team 3+ hours a day
- Became the go-to for data requests, building 5+ self-service Python scraping apps that 20+ colleagues ran to pull market and product data on demand, replacing one-off manual requests with reusable tools that teams could run on their own
- Packaged the tools as one-click apps that regional product teams ran themselves to produce their reports and Excel files

Yingke Law Firm **Shenzhen, China**

Legal Intern *May 2024 – August 2024*

- Represented lawyers' needs in building the firm's first legal tech system, an LLM-based tool for document review, case summaries, and drafting; turned their workflows into requirements, tested outputs, and relayed their feedback to engineers
- Reviewed 10+ capital markets and technology cases firsthand, learning the lawyer workflows the tool needed to automate

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Duke Alpha Kappa Psi Business Fraternity **Durham, NC**

Co-President *August 2024 – Present*

- Lead a 100+ member chapter and its 12-person executive board, building recruiting partnerships with 10+ companies
- Rebuilt the sophomore career bootcamp curriculum for 45 students, with 95% securing their target summer internships

Durham Community Incubator **Durham, NC**

Head of Partnerships *August 2024 – May 2025*

- Secured partners that gave winning local founders a year of free workspace and training to help their early startups grow
- Managed $1,500+ in donations each semester to fund early-stage entrepreneurs selected through our pitch competition

Duke Energy and Climate Club **Durham, NC**

Project Manager *September 2023 – May 2025*

- Led a 5-person team that worked with a methane reduction client to define which customers to target, then analyzed 5M+ well records to identify and prioritize 30+ potential customers and presented our final recommendations to the client
- Scoped a gas decarbonization client's needs, then delivered a 27-page white paper on carbon capture tech and regulation

SKILLS & INTERESTS

Skills: Python (pandas, NumPy, scikit-learn), SQL, kdb+/q, Java, C, Git, Streamlit; Mandarin (Native), French (Proficient)
Interests: Duke Club Triathlon, Hiking, French Cinema, Chinese Cuisine