Maxwell Chalekson

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Education

Boston University (BU)   **September 2025 - May 2026 (expected)**
Master of Science in Data Science
University of California, Los Angeles (UCLA)   **September 2021 - June 2025 (expected)**
Bachelor of Science in Statistics and Data Science

Experiences

UCLA   **Los Angeles, CA**
Guang Cheng's Trustworthy AI Lab   **September 2024 - February 2025**
- Conducted algorithmic fidelity audits on LLM-generated vs. human-written using BERTScore and RogueScore to assess linguistic similarity and ensure AI-generated content maintains coherence, accuracy, and trustworthiness in real-world applications
- Researched GPU memory offloading in LLMs to improve computational efficiency, model scalability, and resource allocation for large-scale AI development

Undergraduate Researcher   **May 2024 - December 2024**
- Integrated an experimental large language model (LLM) into STATS 10 labs, leveraging ChatGPT to enhance student learning and programming application
- Assisted in testing and evaluating the LLM's effectiveness, identifying potential misuse, and advocating for its integration to improve learning outcomes in statistical programming

Undergraduate Teaching Assistant   **December 2022 - December 2024**
- Led 12 hours per week of group learning, supporting 320 students per quarter across 6 quarters in mastering statistical programming in R and data analysis concepts
- Hosted additional weekly office hours to address student inquiries, review lesson plans, and provide individualized support, improving overall student preparedness
- Collaborated with faculty to develop course content and practice exams, ensuring alignment with learning objectives and enhancing student comprehension

Manhattan West   **Los Angeles, CA**
Data Analyst Intern   **June 2023 - August 2023**
- Built a cryptocurrency investment trends project, self-teaching web scraping in 6 weeks to extract total address velocity, circulating supply and exchange balance data from Glassnode APIs
- Managed 12+ datasets across 6 cryptocurrencies, analyzing financial trends and validating market insights through an alternative approach

Skills

- Programming: Python, R, Tableau, SQL, C++, LaTeX, Overleaf
- Data Science: Machine Learning, Optimization, PyTorch, Scikit-Learn, Data Analysis