

# MAX MURAKAMI-MOSES

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## EDUCATION

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**Duke University – Trinity College** | Durham, NC

**Graduation: May 2026**

*Bachelor of Science in Computer Science, Bachelor of Arts in Philosophy (GPA: 3.8/4.0)*

**Relevant coursework:** *Algorithms and Data Structures, Computer Systems, Database Systems, Computational Approach to ML, Linear Algebra, Probability, Discrete Math for Computer Science, Problems in Philosophy of Science, Philosophy of Mind, Intro to Ethical Theory, Constitutional Law*

**American School in Japan** | Tokyo, Japan

**May 2022**

## PROFESSIONAL EXPERIENCE

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**Duke Athletic Medical Center — Software Engineer Intern, Full-Stack** | Remote

**May 2024 – July 2024**

- Interviewed stakeholders to design and implement a robust and scalable PostgreSQL database that can store patient data, allow for complex data manipulation, and generate AI notes based on data across the platform.
- Utilized advanced caching through Redis to reduce the load on the primary database and improve application performance.
- Implemented a robust authentication system with NextAuthV5, including forgotten password, OAuth (Google) login, and more.

**Fuqua School of Business — Graduate Teaching Assistant** | Durham, NC

**Jan 2024 – April 2024**

- Served as 1 of 4 TA's for *Innovation and Cryptoventures*, a graduate course at the Fuqua School of business.
- Coordinated with Prof. Campbell Harvey, author of *DEFI and the Future of Finance*, to create class content, answer student questions from across the blockchain space, and grade assignments for 150+ students.
- Led the installation and operation of the class Bitcoin mining operation!

**Lava** (<https://www.lava.xyz/>) — **Part Time Data Scientist** | Durham, NC

**Sep 2023 – Jan 2024**

- Conducted on-chain analysis on Ethereum to track token transfers and access network activity to inform strategic roadmap.
- Integrated Infura's and Etherscan's APIs to systemically track wBTC transactions, enabling the extraction of detailed insights into user behavior, including wallet composition, trading patterns, and on-chain interaction with wBTC.

**Zentific Investment Management — Software Engineer Intern, Full-Stack** | Tokyo, Japan

**June 2023 – July 2023**

- Automated the regulatory compliance verification process by using LLaMa and web-scraping (Scrapy/Selenium), reducing checking time by 60%, and significantly streamlining our ability to maintain regulatory adherence.
- Built an internal tool that integrated the OpenFIGI API to eliminate duplicate listings on internal portfolios and documents.

## EXTRACURRICULAR ACTIVITIES

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**Duke Blockchain Lab / BullCityDAO** ([bullcitydao.xyz](http://bullcitydao.xyz)) — **Undergraduate Co-President** | Durham, NC

**Sep 2022 – Present**

- Communicated with Duke alumni from Coinbase, Suku, and more to create an advisory board to centrally coordinate research initiatives, new student-led ventures, and blockchain education materials.
- Designed and maintained the BullCityDAO website, and engaged over 200+ students from all schools from undergraduate, Fuqua and Law School for multiple student-run blockchain forums.

**Hack NC — 1st Place out of 250+ Competitors** | **Winner of Best Overall Hack**

**Nov 2022**

- Created Colormation, a Chrome extension and mobile app that allows autistic individuals to strengthen associations between emotions on their own. Full project description here: <https://devpost.com/software/emote-8olims>.
- Used NLP to perform live sentiment analysis on YouTube captions in order to alter the caption background according to the emotions being expressed in the video. The mobile app functioned similarly but used live audio as input instead.

**HackDuke — 3rd Place out of 100+ Competitors on the Health/Wellness Track**

**Oct 2022**

- Created Manus.AI, an innovative web-app platform that integrated computer vision, neural networks, and an intuitive UI to translate ASL into text via the computer camera. Full project description here: <https://devpost.com/software/manus-ai>.

## SKILLS AND INTERESTS

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**Technical Skills:** Python/Java (Comfortable), React/Next.js/Javascript/TypeScript/Tableau/AWS S3/Git

**Interests:** Blockchain technology, health and wellness, Zen meditation, and endurance events (Ironman/Badwater)