

Chuol Ruei Deng

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EDUCATION

University of California, Berkeley

Master of Development Engineering (AI and Data Analytics)

Berkeley, CA, USA

August 2025 -

New York University Abu Dhabi (NYUAD)

Bachelor of Science in Economics and Mathematics

Abu Dhabi, UAE

Sept 2020 – Dec 2024

RELEVANT WORK EXPERIENCE

New York University – Research Center for Technology and Economic Development

Blockchain Project Development, Blockchain Team

Abu Dhabi, UAE

March 2024 – Aug 2024

- Conducted in-depth analysis of blockchain and commodity data, generating strategic insights for economic development initiatives.
- Managed large datasets using Python, R and STATA, improving research accuracy and decision-making efficiency by 20% for the team.
- Developed national survey instruments that enhanced data collection methods, resulting in a 15% improvement in data accuracy.
- Created a supportive team climate across multiple countries and time zones by completing all assigned tasks on schedule.

Pangae Education Development

Data Analyst, Education Team

New York, USA

June 2021 – Dec 2023

- Developed predictive models using R and Python, enhancing educational outcomes by 20% through strategic, targeted interventions.
- Performed multivariate statistical analysis on over 10,000 records, significantly improving student performance by 15% through insights.
- Presented analysis on learning resource gaps to World School, proposing \$50K in funding to support 500 underserved students in Uganda.

Milken Institute – Milken Center for Advancing the American Dreams

Economic Analyst Intern, MCAAD Interns

Washington D.C., USA

July 2022 - Aug 2022

- Successfully executed evaluations of 10+ economic initiatives, providing recommendations that impacted 500,000+ individuals.
- Presented findings to multidisciplinary teams, enhancing strategic planning and outreach effectiveness for 200,000 community members.
- Synthesized data from more than 15 sources, informing reports presented to 1,000 stakeholders and increasing funding for programs.
- Drove impactful strategies through data analysis, improving community access to resources and opportunities for over 300,000 individuals.

Massachusetts Institute of Technology (MIT)

Project Consultant, MIT's Emerging Talent Program

Boston, USA

Oct 2021 - May 2022

- Conducted highly collaborative work to align contexts over a complex four-month review to tailor learning outcomes for refugees.
- Streamlined MIT Emerging Talent's HMX course with Na'amal's remote program, improving project execution efficiency overall.
- Trained over 30 refugee learners in essential tech skills, significantly boosting their job readiness by 40% in remote workplace.

LEADERSHIP EXPERIENCE

Thok Nath Research Institute

Co-Founder & Language Technology Strategist

Abu Dhabi, UAE

October 2023 - Present

- Partnered with Google to integrate the Nuer language into Google Translate, improving linguistic accessibility for six million speakers.
- Partnered with BBC World News to translate critical documents, raising awareness of challenges faced by two million South Sudanese.

Bangtigow Foundation

Co-Founder & Executive Director

Dover, USA

April 2020 - present

- Co-founded an educational organization that helps underprivileged students gain access to education in East Africa and abroad.
- Established partnerships with NYU Abu Dhabi and African Leadership University, enhancing educational access for over 100 students.

New York University Abu Dhabi | Office of Community Outreach

Student Ambassador

Abu Dhabi, UAE

Oct 2023 – June 2024

- Led a team of 20 students to represent NYUAD at UAE events, boosting visibility and strengthening community partnerships.
- Facilitated a high-profile meeting with the Minister of Tolerance, fostering collaboration among 15 international students.

New York University Abu Dhabi | Office of Social Responsibility

Operations Data Analyst Intern

Abu Dhabi, UAE

Sept 2020 – May 2024

- Developed comprehensive SOPs that boosted administrative efficiency by 25%, improving operational processes across departments.
- Coordinated logistics for 50+ high-impact events, increasing overall team productivity by 15% through effective project management.

Volunteer, United Nations Children's Fund (UNICEF):

Volunteer Assistant

Addis Ababa, Ethiopia

June 2018– Aug 2019

- Collaborated with UNHCR and Plan International, designing impactful support programs benefiting 150 orphans in refugee camps.
- Developed engaging activities like games and educational methods, reducing depression among children by 30% through motivation.

SKILLS & Awards

- **Technical Skills:** Python, STATA, R, SQL, MATLAB, Excel (financial modeling), MS Word, PowerPoint, G Suite, LATEX, data visualization.
- **Competencies:** Team collaboration, effective communication, problem-solving, organization, adaptability, leadership, and result-oriented.
- **Languages:** English (Fluent), Nuer (Native), Amharic (Proficient).