

# Sean Wiryadi

50 West 34th Street 17A5, New York, NY 10001

✉ [sean.wiryadi@columbia.edu](mailto:sean.wiryadi@columbia.edu) [in linkedin.com/in/seanwiryadi](https://www.linkedin.com/in/seanwiryadi) [🌐 sean292002.vercel.app](https://sean292002.vercel.app) 📞 +1-347-339-4605

## Education

### Columbia University

*M.S. in Business Analytics*

New York, NY

Aug 2024 - Expected Dec 2025

**Relevant Coursework:** Data Analytics, Business Analytics, Marketing Analytics, Cloud Analytics, Probability & Statistics

### New York University

*B.S. in Data Science, GPA: 3.71 Dean's List*

New York, NY

Sep 2021 - May 2024

**Relevant Coursework:** Data Structures, Advanced Machine Learning, Causal Inference, Data Management & Analysis, Natural Language Processing, Linear Algebra, Probability & Statistics, Responsible Data Science and Deep learning.

## Professional Experience

### Cooked.ID

Jakarta, Indonesia

Founder

Jun 2021 - Present

- Launched a monthly subscription service delivering notifications of retail releases to members, achieving a **90% retention rate**.
- Attracted an average of **100** new members per month, generating **100 million IDR (\$6K)** in revenue within **3 months**.

### Simpang Raya Restaurants

Jakarta, Indonesia

Data Engineer

May 2024 - July 2024

- Engineered **ETL processes** and **SOPs** to optimize data flow, ensuring integrity, consistency, and operational efficiency.
- Designed an **analytics dashboard** to provide real-time insights to advise on strategic data-driven decision-making.

### Klinik Pintar

Jakarta, Indonesia

Data Scientist Intern

Jun 2023 - Aug 2023

- Processed millions of patient records by implementing **SQL joins** and **data cleaning** techniques to construct a refined dataset.
- Performed in-depth data analysis, creating reports detailing **patient visits**, **disease trends**, **medicine usage**, and other metrics.
- In a team of **four**, built a time series forecasting model with **LSTM** to optimize inventory management, eliminating stockouts.

### Verdhana Sekuritas

Jakarta, Indonesia

Research Intern

Jun 2022 - Aug 2022

- Conducted market research and analysis on Indonesia's mining and fossil fuel sectors, identifying key investment opportunities.
- Advised on long and short equity positions, contributing to a **5% increase** in returns.
- Generated monthly client reports by preparing market assessments and competitors analysis.

## Personal Projects

### Group Task: Automatic Piano Music Transcription (mp3 to sheet music)

Mar 2024 – May 2024

- Developed a deep learning model to transcribe piano music using **deep neural networks (DNN)** and **RNNs: LSTM**.
- Preprocessed data using **Constant-Q Transform (CQT)** and **normalized data**.
- Applied regularization techniques to prevent overfitting such as **Dropout** and **early stopping**.
- Attained **40% accuracy** with DNN and **2% accuracy** with LSTM, approaching industry standard of **56%**.

### Natural Language Processing - Information Retrieval

Mar 2024 – May 2024

- Constructed a **knowledge graph** from unstructured text leveraging NLP techniques: **Stop Word Removal**, **TFIDF**, **Cosine Similarity**, **Lemmatization**, and **Normalization**.
- Evaluated a Hugging Face dataset, achieving **59.40% accuracy**, **18.18% recall**, **71.43% precision**, and **F1-Score of 28.99%**.

### Automation Program to Secure Highly Sought-After Reservations

Aug 2022 – Present

- Wrote software to automate obtaining high-demand restaurant reservations through Resy and OpenTable.
- Completed **more than 100 reservations** in **seven days**.
- Devised a notification system to alert users to available time slots employing Resy and OpenTable API on Discord and Telegram.

### Automated Purchase Program for Exclusive Sneakers and Concert Tickets

Jun 2021 – Present

- Built program to purchase limited-edition sneakers and concert tickets, earning nearly **1000 checkouts** and **\$100K** revenue.
- Enhanced efficiency by integrating **multi-threading**, **proxies**, and implementing **captcha bypass** strategies.

## Community Involvement

### New York University Indonesian Student Association Treasurer

Sep 2021 – Aug 2023

- Oversaw financial health of **five** departments, presenting monthly performance updates to executive members.
- Organized fortnightly meetings with department heads to strategize and plan events and gatherings.
- Managed association's overall financial activities, including reporting, budgeting, and fundraising.

## Technical Skills

**Coding Languages:** Python, HTML, Java, JavaScript, CSS, C++, R, SQL, LaTeX

**Frameworks/Libraries:** React, NodeJS, PyTorch, TensorFlow, Scikit-Learn, BeautifulSoup, Requests, Selenium

**Tools/Platforms:** MongoDB, AWS, GCP, Microsoft Office, Canva, Figma

**Languages:** English (Native), Mandarin Chinese (Fluent) & Bahasa Indonesia (Native)