HONG ZHOU

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EDUCATION AND SKILLS

Northwestern University, Evanston, IL Expected 2025 ◦ B.S. in Computer Science | Cum GPA: 3.558 out of 4.0

Related Coursework & Technical Skills
◦ Google Cloud Platforms | Java Programming | JavaScript | Python Programming | R Programming | Linux | C & C++ Programming | Object Oriented Programming | Dynamic Programming | Data Structures and Algorithms | Design Thinking & Communication

Personal Skills
◦ Fast Learning | Problem Solving | Team Communication and Collaboration

Languages
◦ English (Native Fluency) | Chinese (Speaking)

WORK EXPERIENCE & STUDENT INVOLVEMENT

Kellogg School of Management at Northwestern University Mar 2022 – Jun 2022, *Undergraduate Work Study*
◦ Implemented web scraping program using Python on Google Cloud Platforms to collect data on 350,000 job applications
◦ Migrated to local program using SmartProxy API to scrape data using datacenter proxies

NU Blockchain Group (https://www.nublockchaingroup.com/) Apr 2022 – Present, *Researcher*
◦ Researched and presented on forecasting strategies and their tradeoffs
◦ Implemented and tested machine learning models with historical data of cryptocurrencies

Shirley Ryan Ability Lab (https://www.sralab.org/) Apr 2022 – June 2022, *Student Engineer*
◦ Researched, prototyped, and developed design solutions for client, collecting data from testers, and documenting results
◦ Presented functional product to client at the end of the 3 months project timeline

Self Employed Apr 2018 – Jun 2021, *Private Tutor*
◦ Designed curriculum and conducted weekly lessons on Programming, Calculus, and SAT test preparation
◦ Created coursework, activities, and worksheets for classes

Technology Student Association (https://tsaweb.org/) Oct 2018 – Jun 2021, *Member*
◦ Placed 5th and 2nd in Engineering Design in consecutive state conferences
◦ Researched, documented, and presented reports on solutions to annual engineering challenges
◦ Organized team meetings and coordinated individual assignments

PROJECTS

AAPL Stock Model (https://github.com/hongZhou443/AAPL_Stock_Model) June 2022
◦ Developed a Long Short Term Memory stock predictive model with PyTorch
◦ Adapted use to multiple stock options with yahoo.fin library, with data Matplot-lib for data visualization
◦ Used Openpyxl library for direct Excel manipulation and data storage throughout model testing with varying parameters

Reading Buddy - NU WildHacks 2022 (https://github.com/hongZhou443/NU-WildHacks-2022) May 2022
◦ Designed the Reading Buddy in 24 hours for the NU WildHacks 2022 as a Terms and Conditions Reading aid
◦ Used React.js, and JavaScript