

KUN HWI KO

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EDUCATION

University of Pennsylvania

Master of Computer and Information Technology (GPA: 3.95) May 2021

- Algorithms, Artificial Intelligence, Big Data Analytics, Data Structures, Systems

New York University Stern School of Business

Bachelor of Science in Business / Master of Science in Accounting Sep 2016

- Financial Modeling, Math for Economics, Statistics Regression & Forecast

TECHNICAL SKILLS

Programming

Python, Java, C/C++, JavaScript, Swift, Dart, HTML5/CSS3

Analytics

SQL, MongoDB, Spark, R, Excel/VBA

Frameworks

Node/Express.js, React.js, iOS, Flutter, Spring, Hibernate

EMPLOYMENT

Barclays

Jul 2020 – Aug 2020

Summer Developer

Whippany, NJ

- Developed a model for a Java web application that detects anomalies in financial transactions in the SQL database and visualizes alerts to end users
- Built a script in Java that queries SQL databases for appropriate test cases and used Spring to test for vulnerabilities in an anomaly detection model by injecting the data as dependencies

Republic of Korea Army

Jun 2017 – Mar 2019

Financial Specialist

Pocheon, ROK

- Performed risk analysis through financial data, statistics, and regulations, ensuring 28% more investments made by the Bank of Korea compared to the previous year
- Improved a financial model to expedite calculations for insurance, material, and compliance costs and was regionally selected by the Republic of Korea Army

EH-English Education Research Center

Sep 2016 – Jun 2017

Lead Business Analyst

Seoul, ROK

- Designed a database of popular educational destinations based on time, location, and financials to develop different pricing strategies and improve client experience
- Constructed the company website to expand into online business

PROJECTS

Definitely Not Keep (github.com/kunhwiko/Keep)

Aug 2020 – Sep 2020

- Designed a clone application of Google Keep Notes using React.js framework

Swiftris (github.com/kunhwiko/Tetris)

Jun 2020 – Jul 2020

- Implemented an iOS application of Tetris using Swift

Stock Bot (github.com/kunhwiko/Stock_Bot)

May 2020 – Jun 2020

- Built a mobile application in Python and Flutter that parses the web for most gaining stocks for the day and displays hypothetical profits and significant changes via a user interface

Sudoku Solver (github.com/kunhwiko/Sudoku)

May 2020

- Created a program and GUI in C++ and CSS that visualizes a randomized sudoku board and the solution using a backtracking algorithm

Search Engine (github.com/kunhwiko/Search_Engine)

Mar 2020 – Apr 2020

- Built a news aggregator in Java that parses the web and returns most relevant links to a word search