

KUN HWI KO

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EDUCATION

University of Pennsylvania

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

- Teaching Assistant for CIT 596 : Algorithms and Computation

New York University Stern School of Business

Sep 2016

Bachelor of Science in Business / Master of Science in Accounting

TECHNICAL SKILLS

Programming

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

Frameworks

React, Node/Express.js, jQuery, Spring, Flutter

Databases/Tools

SQL, BigTable/BigQuery, MongoDB, AWS, Spark, Git, Jira

EMPLOYMENT

Barclays

Jul 2020 – Aug 2020

Summer Developer

Whippany, NJ

- Collaboratively developed a web application in Java that detects violations in financial security transactions and sends alerts to the compliance team
- Took responsibility for unit testing vulnerabilities in an anomaly detection model by querying the SQL database for appropriate test cases and using Spring to inject the data as dependencies

Republic of Korea Army

Jun 2017 – Mar 2019

Financial Specialist

Pocheon, South Korea

- Performed risk analysis through financial data, statistics, and regulations and insured 28% more investments for the Bank of Korea compared to the previous year
- Built a financial program to expedite calculations for insurance, material, and compliance costs and was selected by the Republic of Korea Army for regional use

PROJECTS

Movie Recommendation (github.com/kunhwiko/movie-recommend)

Nov 2020 – Dec 2020

- Built a movie recommendation system using Python by training a K-Means Clustering model to interpret relations between genres, keywords, view counts, and user ratings

Definitely Not Keep (github.com/kunhwiko/keep-clone)

Sep 2020

- Created a clone of Google Keep Notes using React

Swiftris (github.com/kunhwiko/swiftris)

Jul 2020

- Implemented an iOS application of Tetris using Swift

Stock Visualizer (github.com/kunhwiko/stock-visualizer)

May 2020 – Jun 2020

- Built an application in Python and Flutter that parses financial websites and calls stock APIs to display financial information and price changes of the most active stocks in real time

Sudoku Solver (github.com/kunhwiko/sudoku)

May 2020

- Created a program and GUI in C++ that visualizes solutions to Sudoku boards using backtracking

Search Engine (github.com/kunhwiko/search-engine)

Mar 2020 – Apr 2020

- Designed a search engine in Java that performs web crawling on HTML/RSS feeds and applies metrics to return the most relevant links to a user input