

Heekyung Kim

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Available: May 2022 – Jan 2023 | Website: <https://hkimkim.github.io/>

EDUCATION

Northeastern University – Khoury College, Boston, MA

Jan 2021 –Present

MS in Computer Science Candidate – GPA: 3.78/ 4.0

Relevant Coursework: Computer Systems, Algorithms, Object-Oriented Programming, Discrete Structures, Mixed Reality (currently enrolled)

Activities: NUVR club

Yonsei University – Underwood International College, Seoul, Korea

Mar 2014 –Aug 2019

BS in Technology Management, BA in Business Administration

TECHNICAL KNOWLEDGE

Programming Languages: Java, Python, C, HTML, CSS, Bash, R, C#

Tools & Frameworks: Git, Bootstrap, Android Studio, Firebase, Unity

Database: MySQL, NoSQL

Language: Fluent in English and Korean

PROJECTS

Expense Tracking App (Java, Android Studio, Firebase, Git)

Oct 2021 –Dec 2021

Northeastern University – Team Project

- Designed an expense tracking mobile app that helps users to cultivate budget and expense tracking habits by building their own customizable zoo as rewards using Object Oriented Programming Design
- Implemented asynchronous tasks with multi-threads to perform CRUD operations from Firebase
- Used motion sensor for users to interact with their virtual pets

Mastermind Game (Python, Git)

Mar 2021 – Apr 2021

Northeastern University

- Built a single player Mastermind game in Python with multiple classes (e.g., Buttons, GameBoard, Pointer...etc.) and GUI with the Model-View-Controller architecture
- Wrote PyUnit tests for each class to test each functionality
- Designed and continuously improved the overall structure and hierarchy of the classes, with an emphasis on the readability and flexibility of the codes

WORK EXPERIENCE

Doosan Corporation – Seoul, Korea

Jul 2019 – Nov 2019

Corporate Venture Capital Research Assistant

- Researched startups and emerging technology from deal flows and screened them based upon company's investment profile
- Managed deal flow database
- Created a CLI application with Python that converts PDF with deal flow information into desired data format, reducing steps and errors caused by direct input to database
- Initiated a multi-class text classification model project using Python that classifies startups by industry field

Sanofi-Genzyme – Seoul, Korea

Dec 2018 – May 2019

Business Analyst Intern

- Forecasted sales, volume, and number of patients of key brands of two business units using R time series forecasting
- Developed dashboards for monthly and quarterly market reports
- Led R training sessions for team members without technical background and helped them understand R and forecasting models
- Performed data cleansing and data wrangling for data such as IMS health data, Multichannel customer database

Atlas Labs – Seoul, Korea

Sep 2017 – Feb 2018

Data Analyst Intern

- Cleansed text data for company's NLP projects (chatbots for travel agency and mobile retail app) by annotating intents and entities using Python (Pandas, regex, KoNLPy)
- Crawled voice and text data from the web for company's voice recognition project using Python (Scrapy, Selenium)
- Wrote bash scripts that organizes directories of voice data files essential for speech recognition algorithm training
- Augmented text data by 10x for company's NLP project using Python