

Heekyung Kim

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✉ kim.heek@northeastern.edu ☎ +1 (857) 415 – 0828 📍 Boston, MA 🔗 [linkedin.com/in/heekyung-kim](https://www.linkedin.com/in/heekyung-kim) 🏠 hkimkim.github.io

EDUCATION

Northeastern University – Khoury College, Boston, MA Jan 2021 – Present
Candidate for MS in Computer Science – ALIGN Program, GPA: 3.78/ 4.0 Expected Aug 2022
Coursework: Data Structures and Algorithms, Discrete Structures, Object-Oriented Design, Graduate Algorithms, Computer Systems, Mobile Development, (Currently Enrolled) Mixed Reality, Web Development
Activities: NUVR club

Yonsei University – Underwood International College, Seoul, Korea Mar 2014 – Aug 2019
BS in Technology Management, BA in Business Administration

TECHNICAL SKILLS

Programming Languages: Java, Python, C, Bash, HTML/CSS, C#, SQL, R
Tools & Frameworks: Git, PyUnit, JUnit, Android Studio, Firebase, Linux, Bootstrap, Unity, MySQL, NoSQL

PROJECTS

Spenzoo: Expense Tracking App | Java, OOD, Android Studio, Firebase, Git Fall 2021
@ Northeastern University – Team Project

- Designed and created an expense tracking Android application that helps users to cultivate budget and expense tracking habits by building their own customizable zoo as rewards using Object Oriented Design in Java
- Implemented asynchronous tasks with multi-threads to perform CRUD operations on Firebase Database
- Used motion sensor for users to interact with their virtual pets

To Do List | Java, OOD, MVC, JUnit, Git Summer 2021
@ Northeastern University – Team Project

- Designed and implemented a CLI To Do List Program using Object Oriented Design, Iterator and Builder Design Patterns, and MVC structure in Java
- Wrote JUnit tests for each class to test each functionality

Mastermind Game | Python, PyUnit, OOD, MVC Spring 2021
@ Northeastern University

- Designed and implemented Mastermind game using Object-Oriented Design and MVC structure in Python
- Used Python's Turtle library to create the GUI
- Wrote PyUnit tests for each class to test each functionality

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
- Created a CLI program that converts PDF into desired data format in Python, reducing steps and errors caused by direct input to database
- Developed a multi-class text classification model using Python that classifies startups by industry fields

Sanofi-Genzyme – Seoul, Korea Dec 2018 – May 2019
Business Analyst Intern

- Forecasted sales, volume, and number of patients of key brands for two business units using R time series forecasting
- Led R training sessions for non-technical team members and helped them learn R basics and forecasting modeling

Atlas Labs (NLP Startup) –Seoul, Korea Sep 2017 – Feb 2018
Data Analyst Intern

- Cleansed text data for company's NLP projects (chatbot 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