KAI MUNECHIKA

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EDUCATION

Boston University | Boston, MA
Dean's List | Major GPA: 4.0 / 4
B.A. in Computer Science | Expected Graduation - Spring 2019

TECHNICAL SKILLS & ORGANIZATIONS

Skills & Languages: Android Studio | IntelliJ IDEA | Java | Python | SQL | JSON | HTML | CSS | JavaScript | Git
Open Web BU **Member**: Worked as a mobile developer to build applications in teams throughout the spring and fall 2017 semesters

PROJECTS

BetterReader - Android, Java, SQLite, SugarORM, XML

Android manga reader, featuring a dynamic and material design inspired UI

- Addresses the issues with many of the manga readers currently in Google's Play Store (intrusive or ambiguous UI components, broken functionality, etc.)
- Incorporated a REST API with Retrofit to make network calls for filtered browsing, displaying manga, and individual chapter viewing
- Implemented data persistence and retrieval via internal storage using SQLite, an Object-relational mapping (ORM), and Shared Preferences

Classify by Spending – Python, SQLite, WEKA

Machine learning data model that predicts where a one lives based on spending habits

- Worked with a dataset from the Center for Machine Learning and Intelligent Systems and used WEKA's classification algorithms to generate the data model
- Wrote the scripts that prepared and transformed the dataset into SQL tables and insertions, for ML analysis
- Experimented with classification algorithms to come up with a "successful" model

OnTime – Android, Java, XML

Bus alarm application that sends notifications when the user's bus is leaving

- Made to help with pacing morning routines, without having to directly look up bus info before school/work
- Applied the MBTA's REST API to track buses within Massachusetts in real time
- Extended Android's DialogFragment to let users set alarms based on their schedule and bus route
- Implemented an IntentService to set off alarms as updating notifications

StockBuddy – Python, Flask, Javascript, HTML, CSS

Web app for those new to investing to get started and learn about their options

- Takes in 2 parameters: which sector the user wants to invest in, and how much capital they're willing to invest
- Creates a list of stocks, including their price, target price, summary, and recent press news
- Mostly wrote the back end; worked with public APIs and scraping the web to extract data on stocks for free.

PhotoShare - Python, MySQL, Javascript, HTML, CSS

An online photo social network CRUD system, similar to Flickr
- Designed and translated the database to a relational schema using E-R diagrams and MySQL
- Implemented an interface to the database and the wrote about 50 SQL queries to be executed, to servicing as the back-end of the app
- Built the website, wiring it up with the database with standard photo sharing and social network functionality