

# Philip Kim

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## EDUCATION

**UNIVERSITY OF MICHIGAN** | COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

April 2022 | Ann Arbor, MI

- **Courses Taken:** Discrete Mathematics, Data Structures and Algorithms, Introduction to Computer Organization, Database Management Systems, Foundations of Computer Science, Introduction to Computer Security, User Interface Development, Human-Centered Software Design and Development

## EXPERIENCE

**ALARM.COM** | SOFTWARE ENGINEER - ANDROID

June 2022 - March 2023 | Boston, MA

- Worked on the emPower Connected Car team alongside various talented engineers and product managers
- Expanded the TalkBack functionality for accessibility users within the Document Storage feature of the Android application by utilizing Android Studio layouts and communicating with product managers to finalize phrasing
- Converted several Java classes in our codebase to Kotlin and created unit tests to ensure no functional changes in our client-side deserialization procedure, where we parse XML attributes from the backend
- Implemented a QR code scanner that sent data such as SN and IMEI to our backend for users to set up their Munic devices
- Designed and worked on the Car at Home project, which allows users to see if their Connected Car vehicle is at home or on-site based on their account type and current geolocation

**YERBBA** | DATA ANALYST

July 2021 - January 2022 | Ann Arbor, MI

- Analyzed historical healthcare data to learn data patterns and compose PostgreSQL scripts for reformatting data into valid FHIR format to be uploaded to the clients' FHIR servers
- Assembled and configured NiFi flows to automate the ingestion, validation, and uploading processes of incremental healthcare data for clients throughout the nation
- Communicated with clients daily to ensure valid FHIR data was being uploaded prior to deadline

## PROJECTS

**PGKLOSET.COM** 2020

- Constructed a blogsite using Python (Django), HTML/CSS, and Javascript providing clothing reviews and outfit overviews for those struggling with modern fashion trends
- Researched how applications are deployed to public servers and applied my research to improve security protocols

**POOFDODGER** 2016

- Programmed a 2D evader game from scratch using Java and its built-in libraries
- Implemented a multi-threaded system to run the game efficiently with minimal code traffic

**ACTIVITY SHOWDOWN** 2021

- Collaborated with classmates to develop a web board game that is played by competing in outdoor activities with friends to encourage regulating exercise and physical activity
- Used Vue.js to write efficient code for better user interface design and clean code structure
- Led a team of 4 people during the development process by assigning tasks and offering suggestions for the overall design and structure of the project

## SKILLS

- **Proficient:** Java, Kotlin, C, C++, HTML, CSS, Javascript, Python, Git, BitBucket, JIRA, Confluence
- **Experience with:** PHP, Django, React.js, Vue.js, C#, PostgreSQL, Heroku