Philip Kim

734.604.1690 | pgk1216@gmail.com | pgk1216.github.io | Boston, MA

EDUCATION

UNIVERSITY OF MICHIGAN | College of Literature, Science, and the Arts   **Graduated: April 2022**

Major: Computer Science

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

---

WORK EXPERIENCE

ALARM.COM   **Boston, MA**

Software Engineer - Android   *June 2022 - March 2023*

- Collaborated with multiple departments to implement enhancements as part of the emPower Connected Car team
- Expanded the TalkBack functionality for accessibility needs in the Document Storage feature of our application
- 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 to our back-end that allowed users to set up their devices, which created an efficient and user friendly interface to draw in new users
- Designed and implemented a seamless interface that utilizes geolocation to allow users to see if their Connected Car vehicle is at home or on-site which was a long awaited addition to our Cars feature

YERBBA   **Ann Arbor, MI**

Data Analyst   *July 2021 - January 2022*

- 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 - *full list at pgk1216.github.io*

CORNER CUTS   **2023**

- Designed and developed a fully functional appointment booking application using Node.js, React, and REST API
- Integrated REST API to enable real-time data exchange between the front-end and back-end, improving application performance and usability and utilizing environment variables to improve security of database credentials

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

PGKLOSET.COM   **2020**

- Constructed a blog site 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

---

SKILLS

- **Proficient:** Java, Kotlin, C, C++, HTML, CSS, Javascript, Python, Git, BitBucket, Node.js, React.js
- **Experience with:** PHP, Django, Vue.js, C#, PostgreSQL, Heroku, Next.js, Tailwind, Bootstrap, MongoDB