Philip Kim

721 S Forest Ave, Ann Arbor, MI 48104
philipgk@umich.edu | (734) 604-1690

Education

University of Michigan College of Literature, Science, and the Arts   **Graduation: May 2022**
- **Major:** Computer Science
- **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

Work Experiences

Yerbba   **Ann Arbor, MI**
Data Analyst/Mapper   July 2021 - Current
- 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 philipgkim.com*

PGKLOSET.com   **2020**
- Constructed a blogsite using Python (Django), HTML/CSS, and Javascript provide clothing reviews and outfit overviews for those struggling with modern fashion trends
- Improved user security and prevented administrative bypasses by using local environment variables to store valuable information regarding back-end source code and cybersecurity
- Researched how applications are deployed and published 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
- Applied my prior knowledge of game visuals to design and place GUIs in certain parts of the screen to effectively avoid visual distractions and optimize gameplay

Outdoor Tic-Tac-Toe   **2021**
- Collaborated with classmates to develop a tic-tac-toe web game that is completed 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

Activities

Dance Mix Core   **Ann Arbor, MI**
Finance Team   2020 - Current
- Managed $33,803 in club funds to plan and pay for Dance Mix setup and advertisements
- Documented club expenditures from the event to make budget proposals for future semesters

FunKtion Dance Group   **Ann Arbor, MI**
President   2019 - Current
- Organized dance practices weekly to teach choreography and announce future performances
- Connected with other dance groups and organizations to discuss collaborations and performances

Skills

- Proficient – Java, C, C++, HTML, CSS, Javascript, JQuery, Python, Vue.js, PostgreSQL, Git
- Working knowledge – PHP, Django, AWS, React.js, C#, Go, NodeJS, Swing
- Language – Fluent in English and proficient in Korean