Michael Kim

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EDUCATION:

University Of Virginia,   Charlottesville, VA
Bachelor of Computer Science   *Graduated July 2023*

SKILLS:

Language:
- Java, Python, C#, JavaScript, Typescript, HTML, CSS, PHP, R, JSON, SQL.

Framework & Libraries:
- ASP.NET Core, Entity Framework, Bootstrap, SQLite, Expo, React-Native, Expo, Git, Hibernate, JavaFX, Selenium, Scenebuilder, Junit, Mockito, Bootstrap, phpMyAdmin, Tkinter, GGplot, RShiny.

EXPERIENCE:

System Planning and Analysis | Software Developer | Top Secret   *Sept 2023 – Present*
- Using HTML, CSS, Bootstrap, Alasql, and Sharepoint, developed multiple websites for various clients. These websites became a tool for clients to keep track and manage their teams, personals, projects, and organizations.
- Using ASP.NET Core, Entity Framework, SQlite, and C#, developed a central database software for SPA to keep track, manage, update, and utilize old and new warships, weaponry, aircrafts, etc. for their model and simulation program.
- Maintained and added features to company's applications (Rshiny and Python GUI) that analyzed warships, weaponry, aircraft, war data from CSV files.

United States Air Force | Medic | Secret   *Feb 2017 – Jan 2021*
- Trained medical procedures and sponsored new medics at Offutt AFB 55th Medical Group.
- Deployed to Al Udeid, Qatar to assist and work with 379th Expeditionary Medical Group. Primary trainer and sponsor for incoming medics.
- Worked at family medicine clinic and ER, and was a part of mass casualty triage team.

PROJECTS:

Maestro | Expo, React-Native, Clerk, IOS and Android Simulator
- After noticing a lack of platforms that facilitate connection between tutors and students across various subjects, not limited to school materials, I decided to create a mobile app that enables students to effortlessly search for tutors and allows tutors to create and upload their profiles. Additionally, it allows both parties to introduce new subjects for learning and teaching on the platform.

Personal Website | HTML, CSS, Javascript, Bootstrap
- Built a webpage that displays a little about me. It has multiple interesting features that users can engage with, and the background layout changes to reflect the current season.

Wordle Game | Java, JavaFX, Scenebuilder
- Replicated the wordle game using Java, JavaFX, and Scenebuilder.
- Used both bottom-up and top-down programming approach .

UVA Bus Route | Java, JSON, SQLite
- Built an MVC app that imported a JSON file that contained UVA's bus routes and stops, and organized and transferred the data to SQLite.
- Users could request the correct bus to take for certain stops.

App Validity Test | Java, Selenium, Base Choice Coverage, Space partitioning
- Using Selenium, tested an online P-value calculator to validate its functionality.
- Created over 100 test cases and utilized base coverage software testing methods to check code coverage and user's input permutation to further validate the app's functionality.

Government Apportionment | Java, Excel, CSV
- Built a command line UI that produced Congress apportionment using Hamilton, HuntingtonHill, and Jeffersons strategy.
- Imported, analyzed, and processed data from a csv or an excel file that contained census of every state.