Michael Kim

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**EDUCATION:**

**University Of Virginia,** Charlottesville, VA

*Bachelor of Computer Science Graduated July 2023 ( completed in 2 yrs )*

**SKILLS:**

**Language**:

* Java, Python, C, JavaScript, Typescript, HTML, CSS, PHP, R, JSON, SQL.

**Framework & Libraries:**

* Git,Hibernate, JavaFX, Selenium, Angular, Scenebuilder, Junit, Mockito, Django, Bootstrap, phpMyAdmin, Tkinter, GGplot, RShiny

**EXPERIENCE:**

**System Planning and Analysis |** Software Developer | Top Secret *Sept 2023 – Present*

* Web Development ( HTML, CSS, Typescript, Bootstrap, Alasql) and uploading the content to sharepoint.
* Maintain and add features to company’s applications ( Rshiny and Python GUI) that analyzes data in CSV files.
* Model and simulation of U.S. aircrafts, battleships, and weapons using proprietary software, GCAM and Cyber Assassin.

**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:**

**Personal Website** | HTML, CSS, Javascript, Bootstrap

* Built a webpage that shows and tells the audience who I am. It has multiple sections/modules that introduces myself, education and career history, accumulated skillsets, contact information, and resume

**Wordle Game |** Java, JavaFX, Scenebuilder *Oct 2022 – Nov 2022*

* Replicated the wordle game using Java, JavaFX, and Scenebuilder.
* Implemented the 3-layered architecture and used bottom-up programming approach.

**UVA Bus Route** | Java, JSON, SQLite *Oct 2022*

* Built an 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 *Jan 2023 – May 2023*

* 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 *Sept 2022 – Dec 2022*

* 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.