Michael Kim

[myk200207@gmail.com](mailto:myk200207@gmail.com) | [www.linkedin.com/in/myk2002](http://www.linkedin.com/in/myk2002) | (703) 825-0708 | Fairfax, VA

**EDUCATION:**

**University Of Virginia,** Charlottesville, VA

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

**SKILLS:**

**Language**:

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

**Framework & Libraries:**

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

**EXPERIENCE:**

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

* Web Development ( HTML, CSS, Typescript, Bootstrap) and uploading the content to sharepoint.
* Maintain and add features to company’s application ( 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:**

**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.

**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.

**Signal Handling** | C, Makefile *Feb 2023*

* In C, developed an UI that took in two PID numbers and then output the time it takes to handle different process signals.
* Compiled and build an executable file using makefile.

**Page Table |** C , Makefile *March 2023*

* In C, designed an app that mapped a virtual memory to physical memory, and allocate data into the data table.
* Upon user’s request, the app outputted the physical memory address of where the data was stored.