

Bryan Kim

US Citizen

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SUMMARY

Seeking a Software Engineer position to apply the knowledge that I have learned to highly impactful, unique, large scale, and technical challenges and always have interest in learning new languages. Areas of skills include:

- C++, Java, Python, PHP, VueJs, SQL
- Utilizing database SQL with web apps
- Experience with AWS Lambda, Kinesis Firehose, S3 and Apache NIFI
- Experience with Web Development
- Build Machine Learning Models
- Experience in an Agile setting
- Software Development Experience
- Fluent with Linux Environments
- Fluent in verbal and written English

EDUCATION

University of Virginia

Computer Science (B.S) - GPA: 3.67

Expect to **graduate** Spring 2022

Noteworthy Course Work:

- Cloud Computing (*In Progress*)
- Computational Architecture
- Machine Learning
- Advanced Software Development
- Artificial Intelligence
- Database Systems
- Web Programming Language
- Algorithms

WORK EXPERIENCE

Technical Intern : Noblis

June – August 2021

- Developed a Subgraph Matching tool for **Re-Identification** within graph analytics with an **8.25%** Equal Error Rate using Python in an Agile environment in a **two-week** cycle.
- Researched Graph packages to add in the Vue.js applications for front end

Data Science Intern : Perspecta

June - August 2020

- Explored and learned to use the foundations of **Machine learning** within 3 months
- Developed a functional **Time Series Classification** pipeline deployed with AWS architecture that classifies live data streams.
- Evaluated the effectiveness of **AWS** programs on analyzing streaming data

PROJECTS

What's The Move (PHP, SQL, Git)

Built a database-centered web application in an agile environment with 4 other members using **SQL** and **PHP** to connect with the html. I utilized security features such as prepared statements to prevent **SQL injections** and used **AJAX** to create a streamlined experience.

CivicConnect (Django, Python, Git)

Created a website that allows users to contact their representatives using the **Agile** schedule. I utilized the **Django framework** to build the site while testing with Travis CI and deploying on Heroku. In addition to building the site, I held meetings and checked up on the team to make sure we are on schedule as the Scrum master.

AI Bot (Java)

Developed an AI for the board game "Ticket To Ride" based on a **Markov Chain** I created to compete against other AI using Java.