

Yubin Go

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SUMMARY

- **Accomplished Full-Stack engineer** with proven skills in solving complex practical problems using Java, Python, HTML/CSS, JavaScript, Node.js, and MongoDB.
- **Achieved academic excellence** in Computer Science and was awarded the 2022 Professional Learning Award.
- **Extensive research experience** in Programming Languages and Verification group at University of Colorado Boulder.
- **Strong leadership** as founder and president of Hacking for Asian Women Crew (HAWC).

EDUCATION

University of Colorado – Boulder

08/2017 - 05/2022

Bachelor of Arts in Computer Science (Major GPA: 3.9/4.0)

Minor in B.S. Creative Technology & Design

- 2022 Computer Science Department's Professional Learning Award
- Dean's List (S 2019, F 2020, S 2020, F 2021)

PROFESSIONAL EXPERIENCE

Visa Inc.

06/2022 - Present

Software Engineer, *Payment Product Development*

Austin, TX

1. Automatic Punch Payroll System - *Lead Developer, DevOps, QA*

- Initiated an automatic punch payroll system for 5000+ call center agents using **Java**, **Genesys WFM API**, and **Maven**.
- Launched an "End of Shift" method greatly reducing workload for team members, resulting in savings of 1.3M USD per year.
- Identified and mitigated code vulnerabilities using **Checkmarx** for SAST and leveraged **BlackDuck** and **Nexus IQ** for managing open-source security, license compliance, and component intelligence.
- Managed the entire stack, overseeing the product lifecycle from DevOps through development, QA, and deployment.

2. Internal & External Chat Systems - *Developer, Operation, QA*

- Led production changes and collaborated with a diverse team of UI/UX designers, front-end and back-end developers, DevOps, and business stakeholders to ensure successful implementation
- Enabled live chat functionality for Visa.com in over 43 countries, and enhanced more than 20 chat forms in 14 languages for external chat products using **MSSQL**.
- Migrated **Java**, **Maven**, **Spring Boot**, and **Tomcat** server versions for chat microservices.

3. CI/CD Pipelines - *Lead developer*

- Built and managed **Jenkins** CI/CD pipelines from scratch for 22+ products integrating **Checkmarx** and **Nexus IQ** to scan the code for security and open source vulnerabilities.
- Reduced 20% of production change management time, impacting 32+ colleagues across 3 teams.

Programming Languages and Verification Lab at University of Colorado – Boulder

02/2021 - 05/2022

Research Lab Assistant

Boulder, CO

- Developed algorithms to identify the closest object from the vehicle.
- Analyzed and monitored the LiDAR sensor data using **Python** with **Open3d** and **NumPy**.
- Deployed Dijkstra's algorithm for pathfinding using **C++** and **Boost**, cutting execution time by 90%.
- Supported the core search algorithm development in real-time operation, published in IEEE ICRA 2021. (Yoon and Sankaranarayanan, "Predictive Runtime Monitoring for Mobile Robots using Logic-Based Bayesian Intent Inference")

Red Van Workshop

06/2021 - 08/2021

Software Developer Intern

Longmont, CO

- Developed a web application in **JavaScript** and **NodeJS** with a **Salesforce Commerce Cloud**.
- Designed crucial features such as the Product Detail Page/Product Listing Page and Homepage.
- Cooperated with senior software developers and business teams in an agile environment.

RECENT PROJECTS

Right Click & Save As

01/2022 - 05/2022

- Constructed an NFT minting verification web application that allows users to upload an NFT or image and run a reverse Google image search to prevent fraud.
- Led the backend development using **Python** and **PyMongo**, connecting **MongoDB** with a machine-learning API to handle complex processing and image verification tasks.
- Built a responsive front-end using **HTML** and **CSS**, ensuring seamless integration with the backend to provide an optimal user experience.

Battleship

01/2021 - 05/2021

- Created a multi-player grid game with a GUI component in **Java** and **Swing**.
- Designed the code with object-oriented programming features such as design patterns and refactoring.
- Wrote the unit test with **JUnit5** and achieved 100% class coverage before finalizing the updates.
- Awarded as Best Project at the end of the semester.

Wear Weather

06/2020 - 07/2020

Korean Android Developer Society

- Developed a Korea weather forecast app on Google Play Store via **Android Studio** and **Git** with **Java** and **REST APIs**.
- Parsed **REST API** with Volley library and retrieved **JSON** objects and arrays.
- Collaborated with diverse students from various backgrounds and locations, strengthening teamwork and mutual support to achieve common goals.

Female Experience Simulator

01/2019 - 05/2019

Tech lead, HAWC

- Developed a 3D-shooting game using **Unity** and **C#** and submitted the completed output to the hackathon.
- Designed and implemented a chat box that automatically displays harassing words to users.

SKILLS

Languages & Scripts: Java, Python, C++, JavaScript, Node.JS, Shell, Groovy, HTML/CSS, JQuery, Bash, C#

Databases: MSSQL, MySQL, MongoDB, PostgreSQL

Tools: Genesys WFM, Jenkins, Maven, Ant, Junit5, BlackDuck, Checkmarx, Nexus IQ, Genesys Cloud, Git, Android Studio, REST API, Unity

Libraries: Spring Boot, Numpy, Boost, Pandas, Swing, Express.js

LEADERSHIP EXPERIENCE

Mentorship Lead

05/2024 - 06/2024

Visa's Bootcamp Program

- Provided mentorship to new graduate employees.
- Mentored new employees in ideating, developing, and presenting projects as a cohesive team.

President and Founder of Hacking For Asian Women Crew (HAWC)**08/2019 - 05/2021*****University of Colorado - Boulder***

- Led an all-Asian women's computer science club to provide opportunities for further development in programming.
 - Oversaw multiple projects such as game development, Hackathon, and web development.
 - Facilitated group decision-making and fostered a welcoming environment.
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Teaching Assistant of KREN 1010 & KREN 1020**05/2020 - 08/2020*****University of Colorado - Boulder***

- Mentored students by holding weekly recitations and taught Korean language grammar, writing, reading, and Korean culture.