# SANGRYUL YUN

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## Education

**Bachelor of Science, Computer Science.**                                                            *June 2023*

University of Toronto -St.George Campus – Toronto, ON.

## Experience

**Kakao Healthcare Corp** –Seoul, Korea.                                                          *May 2021 – Nov 2021*
**DevOps Engineer**
modernized healthcare software with *microservice architecture*, *automation*, *packaging*, *enhanced security*, *notification*, *communication*, and *development*.

- **Microservice architecture:** Separated monolithic applications into microservices and containerized them, resulting in flexible scaling, improvement of independence, and agility **(Docker)**.

- **Automation:** Automated all manual processes including build, deployment, test, and delivery, leading to the elimination of manual processes *from 2 hours to 20 mins* **(Jenkins, Github Action).**

- **Packaging:** Implemented easy-to-install healthcare software packages with an interactive interface which successfully eliminated the need for an average of *10 physical visits per month for installation* **(Shell Script).**

- **Security:** Incorporated a public key cryptography feature into the healthcare software which enhanced the security level to meet the standards of the KMDIA (Korea Medical Devices Industry Association), resulting in their approval. **(GPG)**

- **Notification:** Implemented a customized GitHub event handler to track workflow in real-time and customize event notification, leading to eliminating the need for verbal check-ins **(Flask, ReactJS, GitHub webhook/action, Google Chat Bot)**

- **Communication:** Facilitated seminars focused on automation technologies with documentation such as Jenkins and Kubernetes that led to a company-wide decision to invest resources in automation.

- **Development:** Contributed to the refactoring and development of backend APIs, as well as coding conventions, resulting in the improvement of code readability and achieving code coverage by up to *93%*.

**VisualCamp** –Seoul, Korea.                                                                  *Dec 2019 – May 2021*
**Software Engineer**
improved eye-tracking technology with *monitoring* web service, *migrating & integrating* deep-learning models, and developing eye-tracking *API server* and SeeSo Javascript *SDK*.

- **Monitoring Web**: Implemented a web service to monitor in-house machine resources, leading to the optimal usability of CPU by up to *30%*. **(Flask, Paramiko, SSH, Shell Script, VueJS)**.

- **Migration | Integration**: Migrated and integrated the necessary deep-learning models for eye-tracking into a single end-to-end solution, leading to productivity, applicability, and simple usage **(C++, Python)**.

- **API server**: Implemented an eye-tracking RESTful API that enables clients or developers to experience the eye-tracking technology **(Flask).**

- **SDK:** Migrated SeeSo JavaScript SDK from C++ SDK to fulfill the demands of eye-tracking on Web, which led to high performance on web-browser engine **(C++, JavaScript, WebAssembly).**

- **Demonstration:** Implemented demonstration of eye-tracking technology on web browsers, resulting in approximately *80%* and *50%* increases, respectively, in website visits and downloads of the SDK. **(NodeJS, VueJS).**

## Projects

**Packt** –Toronto, Canada.                                                                    *Jan 2022 – May 2022*
contributed as DevOps/Backend engineer on automation, containerization, back-end features, and documentation

- **Automation | Containerization:** Improved workflow by automating development processes, containerizing services, and adding notifications from events **(Jenkins, AWS, Docker, GitHub Action, SHELL)**.

## Skills

Python | JavaScript | C++ | Schell Scripting | Git/GitHub | Jenkins | Docker | Flask | MongoDB | MySQL | AWS | NodeJS | ReactJS | VueJS | UI/UX | HTML | CSS | REST API | JIRA | Notion | Confluence | Slack | Google Chat | Linux | Agile