

# Kyuri Jung

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## Education

### Carleton University

Bachelor of Computer Science, Minor in Business (3.9/4.0 GPA)

Sep 2020 - Dec 2023

Ottawa, ON

## Skills

**Languages:** Python, C/C++, Swift, Java, JavaScript, HTML/CSS, SQL, Haskell, Prolog, Bash, PowerShell

**Frameworks/Libraries:** React Native, Qt, Node.js, Express, Bootstrap, MongoDB, SPFx

**Developer Tools:** Git, Jira, Agile, Jenkins, Docker, VS Code, Xcode, Homebrew, Postman, Figma, VirtualBox

## Experience

### Warner Bros. Discovery

Software Developer Intern

May 2022 - Aug 2022

Ottawa, ON

- Optimized HBO Max app's accessibility and player controls by developing and refactoring the You.i One Engine's **React Native** and **Swift API**, boosting stability and performance by 30%
- Automated acceptance testing prior to product deployment by implementing **integration** and **unit tests**, effectively reducing 40% of manual testing
- Published **documentation** about new or upgraded features with specifications and guidelines, for 600+ engineers to reference during future development

### Canada Energy Regulator

Web Content Developer

Jan 2021 - Apr 2021

Calgary, AB

- Customized client-side web parts and their layouts for the organization's intranet by using **SPFx**, **CSS**, and third-party **widgets**, increasing site engagement for 200+ employees
- Migrated content from the former site onto the renewed SharePoint platform by **sorting** and **filtering** relevant subjects, expediting transfer speeds by 2x
- Hosted live tutorial sessions demonstrating the creating and editing of site pages, **training 30+ web editors** to adopt the new platform

## Projects

### HeartWave | C++, Qt, SQL, Qt Creator

- Developed a heart rate monitor software with Qt and SQL, integrating **real-time biofeedback** to measure, analyze, and display elaborate heart rate variability patterns
- Architected a **MVC** and **observer design pattern** conforming to definitive use cases, using UML and sequence diagrams to visualize a structured outline prior to implementation

### OrderUp | JavaScript, Node.js, Express, HTML/CSS, MongoDB, Postman

- Created a food ordering web app with JavaScript and HTML to execute user logins, display menus, and order items, alongside CSS to enhance UI designs
- Engineered a **REST API** with Node.js to facilitate secure client-server communications, improving scalability
- Integrated MongoDB's **cloud database** to store and retrieve sessions, streamlining data management

## Leadership

### Google Developer Student Club Carleton University

Lead Designer

Sep 2021 - Apr 2022

Ottawa, ON

- Produced graphics adhering to GDSC's brand theme by using Photoshop and Canva to generate templates and posts for social media, targeting students interested in tech

### Technolgap

Senior Mentor

Aug 2020 - Apr 2021

Ottawa, ON

- Mentored incoming women in Computer Science with supportive tutoring and valuable career insights, guiding them through a successful first year in the program