

# Dongwoo (Ray) Kang

## HIGHLIGHTS OF QUALIFICATIONS

- Pursuing a Bachelor’s in Software Engineering at the University of Western Ontario, Level 3.
- Proficient in Git, Java, and software development with hands-on experience in creating applications including a 3D RPG and a European travel web application.
- Demonstrated multitasking and collaboration skills by optimizing service processes at Ajisen Ramen during peak hours.
- Strong time management and leadership skills, showcased as VP Small Group Coordinator for Korean Christian Fellowship.

## SKILLS

### Languages:

- Java
- JavaScript
- HTML/CSS
- Python 3
- SQL
- TypeScript

### Frameworks:

- Node.js
- Angular.js
- React.js
- .Net Core
- Spring Boot

### Technologies:

- Git/Github
- AWS (Amazon Web Services)
- Amazon EC2
- MySQL
- Linux

### Development Tools:

- Visual Studio Code
- IntelliJ IDEA
- Visual Studio
- Unity
- PyCharm
- NetBeans

## PROJECTS

**European Travel Destination Web App** | Node.js, Express, Leaflet, OpenStreetMap, AWS, Git/GitHub, Java, JavaScript, HTML/CSS, Visual Studio Code

- Built a dynamic web app featuring a RESTful API backend, supporting destination searches by region and real-time filtering for efficient information retrieval.
- Integrated OpenStreetMap with Leaflet to display interactive maps, enabling users to locate destinations and manage favorite lists by country.
- Deployed on AWS, ensuring secure data handling and high availability with cloud-hosted backend and frontend systems.

**3D Open-World Role-Playing Game** | C#, Visual Studio Code, Unity, Git/GitHub, Java, JavaScript

- Developed a 3D RPG inspired by Dark Souls, implementing robust character customization, combat mechanics, and open-world exploration with a team of 4.
- Engineered and optimized three unique game levels, improving loading times and performance for enhanced player experience.
- Integrated AI-driven enemy interactions and player progression systems, increasing engagement and retention.
- Collaborated via GitHub for version control and continuous integration, ensuring streamlined code management and efficient teamwork.

**Payroll Application** | Java, JavaFX, IntelliJ IDEA, SceneBuilder, MySQL, Git/GitHub, UML, HTML

- Designed and implemented a payroll management system with CRUD functionality for employee profiles, improving administrative efficiency.
- Developed user-friendly interfaces using JavaFX, enabling seamless profile creation and management by administrators.
- Secured data with MySQL for efficient and safe storage, while implementing user authentication and access controls.

## Music Playlist Maker | Java, Visual Studio Code, MySQL, Spring Boot, Git/GitHub

- Developed a music playlist application with collaborative features, allowing users to create and share playlists based on preferences.
- Implemented authentication protocols and recommendation algorithms, enhancing user engagement and personalized experiences.
- Designed complex database relationships for entities like users, artists, and genres, ensuring smooth integration with search and recommendation features.

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## EDUCATION

### Bachelor of Software Engineering

University of Western Ontario

London, ON

September 2022 - April 2026

**Relevant Coursework:** Object Oriented Programming, Data Structures & Algorithms, Compilers, Functional Programming, Computer Organization/Design, Scripting, Databases, Web Technologies, Networking

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## EXTRA-CURRICULAR ACTIVITIES

### Korean Christian Fellowship

VP Small Group Coordinator

September 2024 - Present

- Western KCF is a club that aims to provide an inclusive community for Korean-Christian students and any students who would like to learn more about the Bible through social and charitable events
  - Led community engagement initiatives, including weekly study plans, social events, and volunteer activities to foster an inclusive environment.
  - Organized and conducted three weekly meetings, boosting member participation and fostering a supportive community.
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## WORK EXPERIENCE

### Ajisen Ramen

Line Cook

August 2021 - August 2023

- Optimized kitchen workflow by managing multiple cooking stations simultaneously, reducing order fulfillment times.
  - Collaborated with team members to enhance service efficiency during peak hours, improving customer satisfaction scores.
  - Maintained high standards of consistency across ingredients, ensuring quality across 100+ orders daily.
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## SOFT SKILLS

- Languages: English (Fluent), Korean (Fluent)
  - Adaptability in fast-paced environments
  - Clear communication and teamwork
  - Effective time management and prioritization
  - Eagerness to learn and apply new technologies
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[github.com/Rayk8](https://github.com/Rayk8)