

JUNIOR SOFTWARE DEVELOPER

Python Programming | SQL & Excel Skills | Analytical & Detail-Oriented

HIGHLIGHT OF SKILLS

- **Programming & Data Analysis:** Java, Python (pandas – data cleaning, transformation, visualization), SQL (queries, reporting), C#, JavaScript
- **Software Development & Process:** Applied OOP, unit testing, and SDLC methods in academic projects; skilled in requirements analysis and UML-based documentation from SRS project
- **Tools & Collaboration:** Git/GitHub (version control), MS Office, VS Code, Visual Studio
- **Core Strengths:** Analytical thinking, attention to detail, stakeholder communication, ability to manage multiple priorities, strong self-learning skills

SELECTED ACADEMIC PROJECTS

Data Analysis - GDP vs Fertility Rate

- Performed **data cleaning, transformation, and visualization** using Python (pandas) to analyze GDP-fertility trends
- Documented insights to highlight patterns between economic status and birth rates

SQL Database Project - E-commerce Platform (Best Buy)

- Designed and executed advanced SQL queries to fulfill business requirements
- Tested database modules (cart, refund, inventory) with structured test queries and validated outputs via reporting queries

Software Requirements Specification - Retail Inventory System

- Drafted structured use cases for an ERP-based inventory system
- Produced requirement documentation on actors, system behavior, and interactions, strengthening **process documentation and system analysis**

RELATED WORK EXPERIENCE

Administrative Officer - General Affairs Team

Nov. 2020 - Dec. 2023

ICT Polytech Institute of Korea, Gwangju, South Korea

- Collaborated with developers and stakeholders to implement a **CA\$120,000 ERP system**, improving reporting accuracy and **process automation**
- Conducted requirements analysis, iterative feedback sessions, and user acceptance testing (UAT) to ensure alignment with organizational needs
- Created documentation, training manuals, and onboarding support
- Generated reports and managed documentation to support organizational decision-making

EDUCATION

Software Engineering Technology - Artificial Intelligence (Co-op) Advanced Diploma Centennial College, Toronto, ON	Sept. 2024 - Present GPA: 4.45/4.5
<i>Key Courses:</i> Database Concepts (SQL) Unix/Linux OS Client-Side Web Development C# Programming Java Programming AI Systems Design Web Interface Design Software Requirements Engineering	
Bachelor of Arts, Korean Language Sejong Cyber University, Seoul, South Korea	Feb. 2022 - Feb. 2024 GPA: 4.09/4.5
Bachelor of Arts, Korean Language and Literature Sejong University, Seoul, South Korea	Mar. 2014 - Feb. 2020 GPA: 3.9/4.5

COMMUNITY ENGAGEMENT

Event Manager Engineering Club, Centennial College, Toronto, ON	Sept. 2025 - Present
<ul style="list-style-type: none">Planned and hosted software events and tech talks; increased club visibility through outreach and promotions	
Admin Officer IDEA, Centennial College, Toronto, ON	Sept. 2024 - Present
<ul style="list-style-type: none">Improved student engagement with event initiatives; reduced costs by 20% and reinvested savings to expand workshops	

PROFESSIONAL DEVELOPMENT

Data Analyst in Power BI Data Camp (Online)	In Progress
Probability and Statistics Inlearn (Remote)	In Progress
Linear Algebra Inlearn (Remote)	In Progress
Data Analyst in Python Data Camp (Remote) Certificate	Sept. 2025
Python Basic Course Inlearn (Remote) Certificate	Jul. 2025

OTHER WORK EXPERIENCE

Online Korean Professional Tutor (Freelance) italki, Remote	Aug. 2025 - Present
<ul style="list-style-type: none">Delivered 1:1 Korean lessons focused on speaking and writing fluency for English-speaking learners, maintaining a perfect 5.0 rating and praised for strong communication and learner engagementDesigned and tailored course content for beginners to advanced levels using various digital materials and feedback analysis	