Clara Kwon

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EDUCATION:

Virginia Tech – Blacksburg, VA   **Expected Graduation: May 2027**
Bachelor of Science in Computer Science / Minor in Psychology

George Mason University – Fairfax, VA   **August 2023 – May 2025**
Bachelor of Science Progress in Computer Science / Minor in Psychology   **GPA: 3.51/4.00**

RELEVANT COURSES:

- Data Structures
- Low Level Programming
- Technical Writing
- Industrial/Organizational Psychology
- Object-Oriented Programming
- Applied Cross-Cultural Psychology

TECHNICAL/NON-TECHNICAL SKILLS:

- Microsoft Word, Excel, PowerPoint
- Python, Java, HTML, C, Linux
- ServiceNow, Confluence, Jira
- Linux, Windows 7, Windows 10
- Fluent in Korean
- Project Management

PROJECTS/RESEARCH:

Data Structures Project   **Social Network Simulation**   **March 2025 – April 2025**

- Implemented a directed graph data structure in Java and developed algorithms for link prediction, shortest-path, and influencer detection.
- Optimized graph operations to meet Big-O runtime requirements, ensuring efficient vertex/edge management and adjacency queries.
- Integrated algorithms with a graphical user interface (JUNG library) and validated functionality through systematic testing and debugging.

Python Project   **Scheduling and Booking System**   **November 2023 – December 2023**

- Engineered a booking system to save, load, and transform event data into structured 2D lists for scheduling.
- Produced a dynamic lane-by-time schedule by mapping bookings into 15-minute intervals and enforcing time, lane, and formatting rules on booking data.

EXPERIENCE:

Bureau of Engraving and Printing, D.C.   **IT Intern (INROADS)**   **October 2024 – January 2025**

- Designed and tested software scenarios to evaluate the functionality of Adobe AI use through the internal Enterprise environment, promptly analyzing user requirements
- Conducted research and developed a project charter on the psychological implications of Adobe AI for enterprise innovation, communicating with executives, professionals, and administrative staff, and presenting findings to stakeholders.
- Shadowed IT experts in Cybersecurity, IT innovation, Agile Development, and Project Management, and contributed to the agile development of IT solutions using Safe Ceremonies and Scrum methodologies.
- Applied prompt engineering skills for effective use of Microsoft Co-Pilot and Gemini AI in translating between business and technical terms.

Department of Computer Science, Fairfax, VA   **Undergraduate Teaching Assistant**   **January 2024 – May 2025**

- Supported classroom instruction with 40+ students, delivering tailored guidance and assistance in refining their problem-solving abilities for coding tasks, boosting their confidence, and improving analytical thinking.
- Led informative group review sessions for exams by applying effective teaching methodologies per each student's learning style preference to reinforce key concepts, resulting in improved performance and understanding.
- Managed an online questionnaire platform, Piazza, during designated hours to efficiently answer questions or concerns about homework assignments or projects.

VOLUNTEER EXPERIENCE:

Fairfax Community Services Board   **Communications Volunteer**   **October 2023 – May 2024**

- Edit and publish various communication campaigns to promote mental health awareness and reduce stigma within the local community.
- Researched and identified communication trends and the target audience to generate a yearly report for executive staff.

LEADERSHIP/ORGANIZATIONS:

Bonner Leadership Program   **Recruitment Representative**   **June 2023 – May 2025**

- Supervised recruitment events with 5+ members and coordinated with a committee of three members, scheduling bi-weekly meetings, planning projects for future recruitment events, and identifying strong recruitment strategies.

ACTIVITIES/AWARDS:

- Dean's List   Recipient   Fall 2023, Summer 2024
- President's Volunteer Service Award   Member   June 2021 – August 2023