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:

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

**TECHNICAL/NON-TECHNICAL SKILLS:**

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| --- | --- | --- |
| * 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 enforced 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