HwiJoon Lee

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EDUCATION

Northeastern University, Boston, MA   May 2025

B.S. in Computer Science, Human-Computer Interaction Concentration
GPA: 3.7
Relevant Coursework: Empirical Research Method, Human Computer Interaction, Algorithms & Data
Technology: Research Method, Python, R, C++, Java, SQL, NOSQL
Languages: Korean, English

Research Experience

Classifying Monetization Tactics from Mobile game Market
- Defined new terminology for emerging monetization strategies through thematic analysis
- Analyzed user conversion and retention tactics to optimize in-game spending
- Examined the strategies, emphasizing ethical implications of psychological design principles.

AI on Education: Effect of AI on Object Oriented Design
- Developed survey questions to evaluate the influence of AI tools on a computer science course.
- Recruited 50 participants for the survey, ensuring diverse and relevant data collection
- Conducted analysis using statistical methods to assess the impact of AI on student survey results

EXPERIENCE

Research Intern, Civic AI Lab   July 2024 - Present
- Independently identified a research gap and drove the project from concept to completion.
- Developing user-centric AI solutions to enhance accessibility and user experience
- Collaborating with research teams to address accessibility challenges in technology
- Supporting data collection and analysis, ensuring AI solutions are effective and user-friendly

Software Engineer Intern, PS Analytics   July 2023 - Jan 2024
- Proposed user-centric ideas and built frameworks for key features based on user needs
- Developed a data crawler and aggregator pipeline in Python using NoSQL and SQL database, which aggregated data from the servers
- Built a scalable backend infrastructure for a data analytics platform using RESTful API

Object Oriented Design Tutor, Northeastern University   Jan 2023 - May 2024
- Led lab sessions, guiding students in developing readable and maintainable code
- Redesigned class examples to make computer science principles more accessible

Hazardous Materials Specialist, Republic of Korea Army   Sept 2020 - Mar 2022
- Selected as division representative interpreter for United States Combined Forces Command
- Facilitated live communications between Korean and US military intelligence departments
- Operated and organized chemical reconnaissance equipment to detect chemical hazards