Seo Hyun Aum

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EDUCATION

Georgia Institute of Technology   *August 2021 ~ Present | Atlanta, GA*
- B.S. Computer Science (Concentration: Intelligence & Info/Internetworks)
- Relevant Coursework: Intro to Database Systems, Data Structures and Algorithms

EXPERIENCE

Student Web Developer   *September 2022 ~ Present | Atlanta, GA*
Georgia Institute of Technology
- Worked closely with clients to identify clients' needs and preferences, and incorporated their feedback into the redesign and migration of multiple Georgia Tech websites
- Developed websites in Drupal and WordPress to improve the digitalization of on-campus activities, labs, and student organizations
- Improved workflow of web development team by dividing tasks and prioritizing client needs

PROJECTS

Accelerating Materials Science with AI (MatDeepLearn)   *January 2023 ~ Present*
- Visualized and interpreted graph neural network embeddings to improve understanding of MatDeepLearn
- Researched relevant ML architectures, training methods, and datasets to improve accuracy and reduce costs
- Trained graph neural network prototypes to be utilized for inverse design

Plantomo, GDSC 2023   *January 2023 ~ Present*
- Developed an iOS Unity game focused on educating children on local plants as a part of GDSC 2023
- Designed and implemented game features to enhance the educational value and fun of the game
- Scripted basic features in C# along with four team members to implement basic game features and tasks
- Skills: Unity game development, scripting, animation, UI/UX design

Restaurant Supply Express! Drone Delivery   *Summer 2022*
- Developed an object-oriented program in Java and SQL database modeling a restaurant supply application powered with drones leading a team of 4
- Constructed enhanced entity–relationship model, domain class, design class, sequence, and use case diagrams
- Applied SOLID and GRASP design principles and query writing skills to maximize efficiency

LEADERSHIP

Portfolio Web Developer   *January 2023 ~ Present | Atlanta, GA*
Korean Computer Science
- Designed and develop organization portfolio as a website in JavaScript to improve club environment and announce club events to members
- Organize events and informations sessions to promote accessible programming education and information
- Manage projects and documentation of events as club executive

Internal Vice President, Creative Director   *August 2021 ~ Present | Atlanta, GA*
Korean Undergraduate Student Association
- Lead 200+ Georgia Tech Korean American undergraduate students in activities and meetings
- Design visual content such as posters, stickers, and social media content while communicating and making adjustments with other club executives
- Coordinate tasks while planning events within team members, resulting in a highly-productive workflow

Georgia Tech First-Gen Jackets Peer Mentoring Program, Mentor   *August 2022 ~ Present | Atlanta, GA*
- Mentor first-generation student majoring in Computer Science
- Clarified doubts about career choices and coursework in Computer Science
- Trained Mentor Certificate issued by Mentor Collective

SKILLS

Programming
- Experienced in Python, Java, SQL
- Familiar in C, JavaScript, HTML, C++, php

Software
- Figma, Unity, Firebase, Visual Studio Code, IDLE programming interface, MySQL Workbench, IntelliJ, Github, Spark AR Studio, Adobe Illustrator, Adobe Photoshop, Canva
- Content Management Systems: Drupal, Wix, WordPress

Concepts
- Object Oriented Programming, SOLID, GRASP, Database Design and Management, Data Structures and Algorithms, Linear Algebra, Discrete Mathematics