Seo Hyun Aum

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EDUCATION

Georgia Institute of Technology   *August 2021 ~ Present | Atlanta, GA*
- B.S. Computer Science (Concentration: Intelligence & Media)
- Relevant Coursework: Machine Learning, 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

Computer Science and Mathematics Tutor   *January 2022 ~ Present | Seoul, South Korea*
Tublet Korea
- Guided students to excel in AP Calculus AB/BC and Computer Science with personalized lessons
- Create programming assignments to engage students' problem solving and coding abilities
- Improved students' ability, delivering exceptional results on AP tests and overall academic performance
- Integrated technology such as IDE's and interactive resources to enhance lesson time productivity

PROJECTS

Anti-Scam Website Detection   *June 2023 ~ Present*
- Designed a supervised learning model for fraudulent website detection, using tree based feature selection and the random forest algorithm for training
- Utilized Python and relevant libraries (e.g., scikit-learn, pandas, numpy) to build and train the Random Forest model.
- Improved algorithm by testing feature selection techniques and reduced underfitting, leading to over 40% increase in accuracy

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 of new materials

Plantomo, Google Developer Student Club 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

LEADERSHIP

President   *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

Program Director   *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

SKILLS

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

Software
- Github pages, Figma, Unity, Firebase, Git, Spark AR Studio, Adobe Illustrator, Adobe Photoshop, Canva
- Content Management Systems: Drupal, Wix, WordPress