Jacob Park

soobinjppark@gmail.com | soobin.me | github.com/soobinjppark | linkedin.com/in/soobinjppark/

Education

Vanderbilt University	**Nashville, TN**
Major: B.S., Computer Science	*May 2020 (expected)*

Work Experience

Vanderbilt Department of Civil and Environmental Engineering   *Spring 2019 - present*
Undergraduate Research Assistant
- Developed a web application to provide a platform for stakeholders to evaluate a variety of sustainable and economically feasible options for managing municipal solid waste.
- Developed and implemented a matrix for simplified life cycle assessment of waste management with analytical hierarchy process

SummerSAT   *Summer 2018*
Software Development Intern
- Assisted in creating the software in Windows applications and web application for students.
- Utilized web development in order to construct a functional webpage for the organization.
- Utilized Java, HTML, CSS, and JavaScript.

Projects

Decision Together (Web application) – 1 person project   *Spring 2019*
- Developed a web application, as an undergraduate research assistant, that utilizes Vue.js for front-end and Firebase for back-end deployment.

FireEmblemHeroesData (Python) – 1 person project   *Spring 2019*
- Utilizes Scrapy to scrape https://fireemblem.gamepress.gg/ for all available heroes, stat variants, recommended skill builds, IVs, and more.
- Incorporates Scrapy-Splash to render and scrape JavaScript/AJAX loaded content.

gaja (Swift, Realm) – 1 person project   *Winter 2019*
- Developed an iOS app to save categories of lists of favorite locations in a database, and conveniently locate those places by integrating API services.
- Utilizes Realm database, Google Maps API and Google Places API to search, store, and map desired locations.

RoadTrppn (Swift, Python, Flask) – 4 person project for HackGT   *Fall 2018*
- Developed an iOS app with Flask backend to enhance user experience for finding nearby restaurants along the travel route
- Utilizes GoogleMaps and Yelp API to search and map desired locations.

Skills

Languages: C++ (*preferred*), Python, Java, Swift, HTML, CSS, JavaScript
Skills: Git, Firebase, iOS Development, Vue.js, Bash/UNIX, Scrapy, Splash
Hackathons: VandyHacks V, HackGT 5, CrimsonHacks 2018

Leadership

Vanderbilt League of Legends - President   *Spring 2018 – present*
- Directed the organization to foster, develop, and educate the gaming community of 200+ members on campus.
- Coordinated tournaments against other universities across the nation, as well as local tournaments.

DataBrains – Executive Board Member, Board of Projects   *Fall 2018*
- Managed the club's projects for undergraduates interested in Artificial Intelligence and Data Science and allow students to explore and learn about the industries
- Formed teams of different projects and ensure each team is working effectively to make meaningful projects using AI and Data Science

Vanderbilt Commodore Orchestra – Section Leader   *Fall 2017 – present*
- Effectively led a group of 10+ musicians to collectively improve the group's technicalities.