

# Sehun Joo

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## OBJECTIVE

Looking for an internship position in the field of software engineering.

## EDUCATION/ACADEMICS

### Bachelor of Computer Science - Texas A&M University Class of 2023

- Overall GPA: **4.00/4.00**
- Expected bachelor's degree in **Computer Science**, with a **Master's of Science in Business**.

### Participant of the Brockman Scholars Program

- The Brockman Scholarship is a merit-based full ride scholarship covering five full years of study at Texas A&M University including an MS in Business Science, as well as a fully funded study abroad experience.

### Relevant Courses

- Statistical Computing, Data Structures, Programming Languages, Computer Organization

## WORK EXPERIENCE

### Baby Care Product Supply at Procter and Gamble

(Cape Girardeau, Missouri) Summer Internship 2021

- Developed web application in Quickbase using Javascript & Rich text to manage internal change requests
- Wrote VBS scripts which would allow for data entry, merging, and transfers between multiple excel records
- Maintained and updated aforementioned web application taking feedback and adjusting according to business need

(Cincinnati, Ohio) Remote Summer Internship 2020

- Modeled a production system in Siemens PlantSim to collect data for and maintain a statistical modelling program.
- Developed a statistical modeling app in JMP that can save time by exploration of changes in a plant's operating policies.
- Used machine learning within HEEDS to automatically explore new worker assignments to improve production to cost ratio.

### Research Under DR. JOSE-VIDAL at the UNIVERSITY OF HOUSTON

- Processed 3+ hours of data per person from electroencephalograms (EEG - monitoring method to record electrical activity of the brain) using Python, removing white noise and condensing data to find patterns.
- Using Virtual Reality, performed daily 3 hour long experiments on the effects of architectural design on human stress.

## ACTIVITIES

### Video Game Modification Project

- Led a team of 5 developers to help create modifications for a video game (importing custom songs into a music video-game).
- Reverse engineered the proprietary music format for the videogame, even with a lack of official documentation.
- Wrote about 2000-3000 lines of back end code for the command line program prototype in C#, which can mass convert a plain text file format into a specialized hexadecimal format for the videogame.
- Received and integrated feedback from users and testers of the game program.

### TAMU Datathon Logistics Organizer

- Networked to find sponsorships with Microsoft, Office Depot to fund event
- Managed day-to-day operations of Datathon event, expecting 1,300+ applicants, 90+ majors as of 2020

## SKILLS

### Programming Languages

- C, C++, C#, Java, Typescript, Python, HTML, CSS

### Softwares / Tools

- Git, R, JMP, PlantSim, Visual Studio, Knime, JMP, HEEDS, R, Adobe Premiere, Photoshop, Illustrator, Quickbase, Excel, VBS, mongoDB, Redis, Tensorflow, Pandas

### Languages

- Functionally fluent in Korean writing, reading, and speaking