Seungjin Kim

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EDUCATION

Texas A&M University **College Station, Texas**

Bachelor of Science, Major in Computer Science, Minor in Mathematic May 2020

- **GPA:** 3.62 / 4.0

PROFESSIONAL EXPERIENCE

Tech Savvy Mobile Co., Ltd. **Seoul, Korea**

Software Engineer intern March 2016 – July 2017

- Web
  - Developed Practical Korean SAT web application implementing Role Based Access Control using JavaScript, jQuery, Ajax, Node.js CSS, Bootstrap and MySQL.
  - Developed a voice recognition-based exam module using Angular.js that converts users' voice into text using library and compare the converted text with the answer from database for Real-World educational web application.
- Database
  - Slashed extracting data cost 20% by re-designing database structure and optimizing complicated queries while maintaining SQL back-up dump file in both remote and local repositories.
- Others
  - Achieved an ability to work as a team using Git by branching and merging.

RESEARCH

Continuous Human Gait Phase Estimation Using Machine Learning

- Preprocessed data acquired from several experiments and designing RNN-Based Model using Tensorflow2.0, Numpy and Pandas for estimating Human Gait Phase with a PhD student.

PROJECTS

Portfolio Web (https://seungjin-portfolio.herokuapp.com/**)**

- Developed responsive and dynamic Portfolio website with customized components using Next.js which is a server-side rendering with React, SCSS, Node.js and MongoDB

A Low-Cost Motion Capture System Using Smartphones to Resolve Healthcare Issues in Low-Income Countries

- Developed multi-object tracking program which stores points, time and unique id for each selected object in video in Parallel using OpenCV and Python.

Web Fluxx card game

- Implemented most of components taking states from a Redux for an animating Fluxx card game using CSS Grid, Flexbox for website written using.

Imitative Movies Web (tmdb.org)

- Imitated MVC web application using CSS, Bootstrap, Angular.js, Node.js and MongoDB and deployed it using clouding service, AWS

Texas A&M Honors Students Information Management System

- Developed a Texas A&M Honors students information Management system that stores all the honors students into the database, making information more accessible through a website for Honors staff members using Django and Mysql.

Buddy Allocator

- Implemented Buddy allocator using C++ for having better understanding of pointers, object-oriented programing and how the memory is provided for storing data.

SKILLS

Programming Language: TypeScript, React.js, Next.js**,** C++, Python, Tensorflow2.0, MySQL, MongoDB, Node.js, HTML, CSS