Soobin Yang

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🌐 uliba3.github.io/portfolio

Education

The College of Wooster   Aug 2022 - present
B.A. in Computer Science and Mathematics
- Dean's List, GPA: 4.0

Computer Science Courses: Data Structures and Algorithms, Database Systems, Computer Networking and Communication, Algorithm Analysis, Theory of Computation
Mathematics Courses: Linear Algebra, Transition to Adv Mathematics, Multivariate Calculus, Probability Theory, Statistical Theory, Applied Statistics

Activities

Competitive Programming   Aug 2020 - present
- Joined computer club in highschool and participated in various programming competitions
- 18th in PC koushien Qualifiers 2020 (biggest competitive programming competition held for high school students in Japan)
- 4th in Supercomputing Contest 2021 (programming competition held by the Tokyo Institute of Technology)

Experiences

PJT member   Jan 2024 - present
- Participated in a project to develop a web application that enables users to search books and save them.

Research Assistant   Jan 2024 - present
- Conducted research in the field of perturbation theory within mathematics
- Reviewed and evaluated mathematics research papers relevant to probabilistic and stochastic phenomena.
- Independently computed perturbations of various mathematical objects.
- Explored deep reinforcement learning (DRL) as an effective approach in Stock Prediction Using Event-based Sentiment Analysis

Projects

Etch A Sketch 🌐 ⊙ *HTML, CSS, JavaScript*
- A simple web application that lets users to create, draw and save grids of customizable sizes.

Task Manager 🌐 ⊙ *React.js*
- A web-based task management tool that allows users to add, edit, delete, and sort tasks.
- Used redux and local storage to store and manage the state of the application.

QA webapp 🌐 ⊙ *React.js, Node.js, MongoDB, Fly.io*
- A full-stack web application that enables users to post answers to random questions and view responses from other users.

- Implemented a RESTful API using Node.js and Express.js to handle HTTP requests and responses.
- Used MongoDB to store and manage the data of the application.

BookStore webapp ⦿ ⦾ *React.js, Node.js, MongoDB, Fly.io, google books API*
- A full-stack web application that enables users to search books and save them.
- Implemented a RESTful API using Node.js and Express.js to handle HTTP requests and responses.
- Used MongoDB to store and manage the data of the book form google books API.

Skills

- **Programming Languages:** C++, Python, R
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, MongoDB
- **Other Skills:** LaTeX, UNIX, Git, Korean, Japanese, English