Soobin Yang

✉ yasoo8449@gmail.com   ⬛ github.com/uliba3   in linkedin.com/in/soobinyang8449
🌐 uliba3.github.io/portfolio

Education

The College of Wooster   Aug 2022 - May 2025

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

Skills

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

Experiences

AI Solutions intern   Jan 2024 - present

Matsuo Institute   *Remote*

- Developed AI solutions for a new business project in Fortune 1000 global company.
- Conducted research, interviews, and surveys for informed business development.
- Utilized LLM and ChatGPT API for prototype generation.
- Contributed to MVP development and conducted PoC.
- Presented data analysis and value propositions in client interactions.

Research Assistant   Jan 2024 - present

The college of Wooster   *Wooster, OH*

- Conducted research in the field of perturbation theory within mathematics
- Reviewed and evaluated research papers relevant to probabilistic and stochastic phenomena.
- Computed perturbations of various mathematical objects.
- Explored deep reinforcement learning (DRL) as an effective approach in Stock Prediction Using Event-based Sentiment Analysis.
- Researched machine learning papers and implemented models using Python.

Projects

Browser-based Circle Game 🌐 ⬛ *HTML, CSS, JavaScript*

- Casual game to place and grow circles while avoiding collisions with the canvas edges or other circles.
- Utilized event listeners for keyboard and mouse inputs to control game interactions.
- Used localStroage to persist the highest score across sessions.

Task Manager 🌐 ⬛ *React*

- A web-based task management tool to add, edit, delete, and sort tasks.
- Used redux and localStorage to manage and store tasks saved.

Full-stack QA webapp 🌐 ⬛ *React, Node.js, MongoDB, Fly.io*

- Enables users to post and see answers to random questions saved using MongoDB.
- Implemented a RESTful API using Node.js and Express.js to handle HTTP requests and responses.

Full-stack BookStore webapp 🌐 ⬛ *React, Node.js, MongoDB, Bootstrap, Fly.io, Google Books API*

- Users can explore and save books using the Google Books API, with data stored in MongoDB.
- Employed the bcrypt library to encrypt passwords, ensuring robust security measures.
- Implemented a RESTful API using Node.js and Express.js to handle HTTP requests and responses.
- Utilized Bootstrap to implement a modern interface, enhancing the overall design and user experience.

Activities

Competitive Programming   Aug 2020 - present

- 4th in Supercomputing Contest 2021(by Tokyo Tech), 18th in PC koushien Qualifiers 2020(by UoAizu)