# 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

## Skills

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

## Experiences

**AI engineer intern**                                                 Jan 2024 - present
*Matsuo Institute*                                                             *Remote*
- Participated in a project to develop a web application that enables users to search books and save them.

**Research Assistant**                                                 Jan 2024 - present
*The college of Wooster*                                                    *Wooster, OH*
- 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*
- Developed a web application that lets users 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, Express.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, Bootstrap, 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.

## Activities

**Competitive Programming**                                            Aug 2020 - present
- 4th in Supercomputing Contest 2021, 18th in PC koushien Qualifiers 2020