Ryan Kim

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EDUCATION

University of Michigan   Ann Arbor, MI
Bachelor of Science in Engineering in Computer Science   *Aug. 2021 – May 2024*
GPA: *4.0*
Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Discrete Math, Linear Algebra
Awards: Tau Beta Pi First Year Student Award

WORK EXPERIENCE

Software Engineer Intern | *Blue Cross Blue Shield of Michigan*   May 2022 - Aug 2022
- Utilized Spring Batch in the Spring framework to create a Java batch application to monitor Blue Cross' member services
- Queried and manipulated member information hosted on BCBSM's local and hosted servers through SqlDBX and Java Database Connectivity
- Conducted and documented thorough unit testing for new and updated applications to ensure functionality and edge case coverage

PROJECTS

Speed Typer v2 | *MongoDB, Express, React, Node, Redux, JWT, TailwindCSS*   June 2022
- Improved my original Speed Typer project utilizing the MERN stack
- Developed REST API endpoints to integrate user authentication through JSON Web Tokens and user information storage with MongoDB
- Used Postman to aid in testing API endpoint requests and development
- https://github.com/kimry02/SpeedTyperV2

Pugbot | *Riot API, Discord.js, Heroku, Axios, JavaScript*   Aug. 2022
- Constructed a Discord bot to relay recent data on specified player to requesting members
- Utilized asynchronous JavaScript, alongside Axios, to retrieve player and game data from the Riot API
- Evaluated and minimized possible input errors through edge case testing
- https://github.com/kimry02/pugbot

Pictured | *Next.js, AuthNext.js, React, TailwindCSS, GraphQL, Vercel*   May 2022
- Developed a blog-like daily picture web application through Next.js and deployed using Vercel
- Queried data using GraphQL connected to a headless CMS: GraphCMS
- Integrated Google User Authentication through AuthNext
- https://pictured.vercel.app/

Personal Website | *React, TailwindCSS*   Sep. 2021 – Present
- https://www.ryanmkim.net/
- Designed and developed a personal website to display projects and information about myself
- Utilized React/ReactDOM alongside TailwindCSS in order to achieve a minimal, but efficient website
- https://github.com/kimry02/kimry02.github.io

EXTRACURRICULARS

Michigan Hackers   Sep. 2021 – Present
- Collaborated with other members of the Fall 2021 Web team to assemble a Fitness Tracker using React
- Continuing involvement with the student organization through the Web team

SKILLS

Languages: C++, JavaScript, Java, HTML/CSS, Python, MATLAB, SQL
Developer Tools: React.js, Next.js, Express.js, TailwindCSS, SCSS/SASS, Postman, Redux, Spring
Database Tools: MySQL, MongoDB, MongoDB Atlas, Mongoose, Sequelize, GraphQL, GraphCMS, SqlDBX, MS SQL
Other Tools: NPM, Node.js, Harvest SCM, Git, Bash, Ubuntu, Cygwin, VS Code, CLion, PyCharm