

Ryan Kim

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EDUCATION

University of Michigan

Bachelor of Science in Engineering in Computer Science

GPA: 4.0

Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics, Linear Algebra

Awards: Tau Beta Pi First Year Student Award

Ann Arbor, MI

Aug. 2021 – May 2024

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 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>

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/>

NotifyMe | Python

Jan. 2022

- Constructed a Python script employing Google's Internet Mail Access Protocol (IMAP) to generate desktop notifications for emails
- Allowed users to specify tags to limit notifications to specific senders or subject lines
- <https://github.com/kimry02/NotifyMe>

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