Che Rin Yu

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EDUCATION

Mount Holyoke College | BA, Computer Science, and Mathematics **Sep 2019 - March 2024**
- GPA: 3.89/4.0, Summa Cum Laude
- 2023 Hudson River Undergraduate Mathematics Conference Speaker: "Applications of Kuratowski's Theorem"
- 2020 Mildred L. Sanders Prize in Math: Awarded to 30 freshmen for excellence in mathematics.
- Relevant Courses: Data Structures, Algorithms, Software Design and Development, Java Programming Language, Computing Systems, Object Oriented Programming, Networks and Protocols, Operating Systems, Game Development

WORK EXPERIENCE

Korea University | Vision and AI Research Assistant **Feb 2024 ~ Current**
- Working as a research assistant for Professor Jinkyu Kim at Korea University, specializing in Vision and AI.
- Currently doing research on Embodied AI, analyzing solutions for better AI models and technologies.

Mount Holyoke College | CS-224 Software Design and Development Teaching Assistant **Dec 2022 ~ Dec 2023**
- Graded, commented, and left reviews and suggestions on an average of 18 student assignments on a weekly basis.
- Conducted weekly office hours, clarifying essential concepts in Software Design and Development, including Git, Java, and Problem-Solving.

Linkedin | Software Engineer Intern (Pages Team) **May 2023 ~ Aug 2023**
- **Project:** SMP (Service Marketplace) View as Buyer. A new feature where providers may view their own page as a Buyer.
- **Project:** Products NFI(New Feature Introduction). A new alert that lets members know a pricing feature was implemented.
- **Project:** Request for Proposal Change. UI changes to make more personalized messages to the buyers.
- Collaborated with cross-functional teams within LinkedIn to identify issues and adress problems with new internal tools.
- Successfully integrated accessibility(a11y) and internationalization(i18n) standards to ensure features are accessible to a wider audience.
- Took lead in A/B, and Development Testing(End to End, Integration, Unit) processes for related projects.
- Integrated web tracking infrastructure for CTAs to track user patterns and retention rates.
- Led the development process for the projects/features listed, which were deployed to 100% of LinkedIn users.
- Collaborated with Product Managers, Designers, and Software Engineers to write development proposals for each project, outlining which APIs were called, how the APIs will be integrated into the UI, implementation of the UI, and testing
- Received "Exceed Expectations" for the final performance review given at the end of internship.

Carbon Neutral Research Institute | Software Engineer Intern **May 2022 ~ Aug 2022**
- **Project:** Company's main homepage
- **Project:** Carbon Emission Calculator
- Led end-to-end development of both products and shipped them to production with responsive design patterns
- Increased weekly audiences by **30-35%** and received improved data for feedback by integrating End-To-End Testing, and Search Engine Optimization using Playwright and Next SEO.

OnSquare | Software Engineer Intern **Mar 2022 ~ May 2022**
- **Project:** In-House Web App (Features: Search modules, drawing features, button functionalities, and notifications)
- Contributed to the process of refactoring code using Object Oriented Programming to standardize recurring code, resulting in a more reusable, maintainable, and efficient code base with an average decrease of 80 lines per feature.

PROJECTS

Web Developer | Echo | Web App https://echo-lime.vercel.app/ **Jul 2023**
- Developed a multifunctional chatbot, utilizing Chat GPT 3.5 turbo and Open Assistant, comparing the responses between the two models as a means to identify tradeoffs in prompt engineering.
- Utilized tools including the Vercel AI SDK, Next.js, Tailwind.css, Vercel, and API tokens from Open AI and Hugging Face.

Web Developer | MLFQ Simulator | Web App https://mlfq-simulator-7dwamz0tg-eyucherin.vercel.app/ **May 2023**
- Utilized Next.js, Tailwind.css, and redux to simulate Multiple Feedback Scheduling Queues which are used across various operating systems.
- Utilized technologies like React, Redux, Javascript, React-Router, TailwindCSS, and integrated Axios to replace traditional fetch requests as a means to make HTTP request calls from the movie database.

SKILLS

Programming Languages: Python, Java, Javascript/Typescript, Swift, C, HTML/CSS **Libraries and Frameworks**: Svelte, Next, React, Redux, Ember, SwiftUI, Tailwind CSS, Mongo-DB, Graphql **Testing Frameworks**: Playwright, Cypress, J-Unit **Version Control**: Git, GitHub