

RANJO MONDRAGON

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<https://ranjomondragon.github.io/portfolio/>

I am a self-taught full-stack developer with a keen interest in technology and a strong focus on learning. Through online courses, tutorials, and hands-on projects, I have acquired a solid foundation in diverse technologies. I thrive on solving complex problems and continuously expanding my knowledge. With a commitment to learning and a drive to excel, I am eager to contribute my skills to innovative software development projects.

ACHIEVEMENTS

Scholarship (2018-2022)

Japan Ministry of Education, Culture, Sports, Science and Technology (MEXT)

- 120,000 JPY/month, waived tuition fee & air tickets to/from Japan for the top ten applicants.

EDUCATION

Master of Engineering in Materials Science and Engineering

University of Toronto

Graduation Date: August 2023

Bachelor of Engineering

Tokyo Institute of Technology, Japan

April 2018 – March 2022

PUBLICATIONS AND PRESENTATIONS

Author: Mondragon, R. A., Boonyubol, S., Cheng, S., & Cross, J. S. (2023). Spent coffee grounds biochar composite phase change material design challenges in a lab-scale solar water heater system for thermal energy storage. *ASEAN Journal of Chemical Engineering*, 23(1), 77–93.

<https://doi.org/10.22146/ajche.80081>

Presenter: Mondragon, R. A. (2021, November). *Form-Stabilized Biochar Composite Phase Change Materials for Thermal Energy Storage*. China-Japan-Korea-Indonesia Joint Symposium on Energy and Environment. Dalian, China.

PERSONAL PROJECTS

K-pop Music Shop (E-commerce website)

- Full stack e-commerce website built using MongoDB, Express, React, Node.js.
- Set up an Express server with multiple routes for user authentication, CRUD operations for products, cart, and orders, and Stripe checkout.
- Search feature that allows users to easily find products based on title, artist, or category.
- Wishlist feature that lets users save their favorite products for later and keep track of their favorites.
- User authentication system that allows users to sign up, log in, and update their account details.
- Shopping cart feature that lets users add products to their cart, update quantities, and checkout.

- Payment integration with Stripe allows users to securely pay for their orders using their credit card.
- JWT (JSON Web Tokens) authentication to secure user data and protect user privacy.
- Responsive design that works on all screen sizes and devices.

Netflix Clone App

- Created a Netflix clone app using React, showcasing proficiency in front-end development and the ability to build complex, responsive user interfaces.
- Utilized the TMDB API to display movie trailers in the app, allowing users to preview films before selecting them.

Quiz App

- Developed a React-based quiz app that allows users to test their knowledge on a variety of topics and earn points for correct answers.
- Implemented a leaderboard feature to track and display users' scores, providing a competitive and engaging experience.
- Added a timer feature to the quiz, creating an extra level of difficulty to the experience.

WORK EXPERIENCE

Bellperson

Courtyard by Marriott, Canada

Oct 2022 – Mar 2023

- Provided excellent customer service for guests entering/leaving the property.
- Communicated hotel amenities to guests.

English Conversation Teacher

Watanabe Academy, Japan

May 2019 - March 2020

- Assessed students' proficiency and tailored learning materials to them.
- Helped students prepare for English proficiency tests and interviews.

SKILLS

Web Technologies

- HTML, CSS, JavaScript, React, MongoDB, Express, Node.js, Python, Bootstrap, GitHub, VS Code

Soft Skills

- Communication, Attention to detail, Teamwork, Time management

Microsoft Office

- Word, Excel, Outlook, PowerPoint, Teams

Languages

- Fluent in English and Tagalog
- Intermediate skill in Japanese