JOOYOUNG OH

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EDUCATION

NORTHWESTERN UNIVERSITY   **Evanston, IL**
BACHELOR OF SCIENCE IN ECONOMICS AND INDUSTRIAL ENGINEERING   Sep. 2022 - Jun. 2026
- **Concurrent Master's Degree Program in Computer Science** · Cumulative GPA: N/A
- **Activities:** Northwestern University Financial Technology, Software and Game Development Group
- **Relevant Coursework:** Honors Multivariable Differential Calculus, Linear Algebra, Differential Equations, C/C++ Programming, Statistics, MATLAB, Design Thinking and Communication

EXPERIENCE

CLUBCONNECT, THE GARAGE AT NORTHWESTERN   **Evanston, IL**
FULL-STACK SOFTWARE DEVELOPER   Aug. 2022 – Present
- Collaboratively established front- and backend for ClubConnect, a student-initiated startup and resident group within the Garage at Northwestern that aims to provide enhancements in on-campus communications and organizational analytics
- Constructed user-friendly, mobile-responsive frontend items within web application using Node.js, React.js, and Next.js
- Leveraged AWS Amplify, Cognito, AppSync, and Aurora for authentication, GraphQL API, SQL database, and deployment

MU ALPHA THETA MATH HONOR SOCIETY   **Khobar, Saudi Arabia**
CHARTERER AND PRESIDENT, DHAHRAN CHAPTER   Aug. 2019 – May 2022
- Coordinated and led on- and offline tutoring programs to assist 50+ local middle and high school students
- Organized the Saudi Arabian Intra-Kingdom Mathematics Olympiad involving 100+ participants across the kingdom
- Coordinated with the Mathematical Association of America to organize KSA's first American Mathematics Competition

HABITAT FOR HUMANITY INTERNATIONAL   **Umgababa, South Africa**
REGIONAL PROJECT MANAGER, MIDDLE EAST   Aug. 2019 – May 2021
- Arranged community-wide fundraising projects that amounted to 18,000 USD in total
- Managed logistics for the purchasing of construction materials and volunteer trip to Umgababa, South Africa
- Coordinated with leadership and project teams to better orchestrate the provision of houses for the impoverished

TEHCNICAL PROJECTS

WEB PORTFOLIO | HTML, CSS, JS, Markdown, Jekyll, Git | GitHub · Website   Jul. 2022 – Sep. 2022
- Produced personalized HTML, CSS, JS, and Markdown snippets to host technical projects and applications on the web
- Employed simple static web hosting using Jekyll and GitHub Pages to optimize website ease-of-access and reliability

AMAZON E-COMMERCE CLONE | MongoDB, Express.js, React.js, Node.js | GitHub · Website   Jun. 2022 – Aug. 2022
- Constructed a web application emulating the e-commerce functionalities of the Amazon website
- Reflected user registration/sign-in, shopping cart, total price calculation, and payment features
- Real-time database, authentication, and application hosted through Google Firebase

REACT-AMPLIFIED | React.js, Express.js, Node.js, AWS Amplify | GitHub · Website   Jun. 2022 – Aug. 2022
- Employed simple static web hosting using Jekyll and GitHub Pages to optimize website ease-of-access and reliability
- Leveraged AWS Amplify, Cognito, AppSync, and Aurora for authentication, GraphQL API, SQL database, and deployment

SKILLS & INTERESTS

Programming Languages · HTML, CSS, JavaScript, Python, C, Node.js, React.js, Express.js, Racket, MATLAB, R
Technologies · MongoDB, SQLite, AWS Amplify, Heroku, Firebase, REST, GraphQL, Git, GitHub, NPM, Excel, PowerPoint
Communication · Korean, Native; English, Bilingual; Arabic, Conversational
Personal Interests · Practicing the clarinet; Reading about finance and technology; Playing golf and poker games