

JOOYOUNG OH

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EDUCATION

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN ECONOMICS AND INDUSTRIAL ENGINEERING

Evanston, IL

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

FULL-STACK SOFTWARE DEVELOPER

Evanston, IL

Aug. 2022 – Present

- Collaboratively established front- and back-end 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

CHARTERER AND PRESIDENT, DHAHRAN CHAPTER

Khobar, Saudi Arabia

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

REGIONAL PROJECT MANAGER, MIDDLE EAST

Umgababa, South Africa

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

TECHNICAL 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 Ability · Korean, Native; English, Bilingual; Arabic, Conversational

Personal Interests · Practicing the clarinet; Reading about finance and technology; Playing golf and poker games