

Yeochan Youn

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EDUCATION

University of Wisconsin-Madison

expected Dec 2020

B.S. Computer sciences

GPA: 3.46/4.00, Dean's List Spring 2020

University of Alabama, Birmingham

May 2016 - May 2018

B.S. Electrical and Computer Engineering

GPA: 3.75/4.00, Dean's List Fall 2017 and Spring 2018

RELATED COURSES

- | | |
|--|---|
| • Matrix Methods in Machine Learning | • Intro to Algorithms |
| • Intro to Artificial Intelligence | • Foundations of Mobile System and Applications |
| • Database Management Systems | • Intro to Cryptography |
| • Math Tools for Engineering Problem Solving | • Videogames & Learning |

SKILLS

Languages: Python, Java, C, SQL, HTML, Matlab

Operating Systems: Windows, Linux

Development Tools: IBM DB2, Firebase, Jupiter notebook, Git, Github, Android Studio, Solidworks

SOFTWARE PROJECTS

Ice-Cover on a lake | Prediction Model | Backend Developer

Jan 2020 – May 2020

- Designed a machine learning program that forecasts a condition of the Lake Mendota in the future years
- Performed linear regression from training data to build prediction model using Python
- Retrieved accumulated data of the Lake Mendota since 1852 from a Wisconsin State Climatology Office webpage to create training data
- <https://github.com/YeochanYoun119/Ice-Cover>

AI Teeko player | Computer Board Game | Backend Developer

Jan 2020 – May 2020

- Programmed a board game based on Teeko using Python providing a full board gaming experiences that allows each player to move individual pieces to complete shapes on 5x5 board against opponents
- Utilized Min-Max algorithms for AI opponents allowing AI to make optimal decisions during each turn
- Calculated heuristic value for decision tree depth deeper than 3 by counting longest pieces in a row to make decision in 2 seconds for the AI opponent
- <https://github.com/YeochanYoun119/TeekoGame>

You and I | Social Networking Mobile App | Full Stack Developer

Jan 2020 – May 2020

- Developed an app designed through the use of Android Studio for couples to privately share photos, chat, track anniversaries, and plan events
- Applied Firebase to synchronize user chatroom and photo data with real-time database
- Integrated GUI that allows users to choose photos from gallery to upload and set events with calendar
- Engineered the UI/UX design and functionality of the mobile app with Android Studio
- <https://github.com/YeochanYoun119/YouandI>

LEADERSHIP/ ACTIVITIES

- **Fluent in Korean; Republic of Korea Army** (Combat Engineer)
- **AI Club** (data engineer): Algorithmic Trading Team; **MADK Soccer Club** (President); KUSA (VP)