

# Yeochan Youn

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## EDUCATION

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### 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

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|--|---|
| • 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 | • Database Management Systems                   |

## SKILLS

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**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

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### AI Teeko player | Computer Board Game | Back End 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>

### Escape room | Computer Puzzle Game | Back End Developer

*Jan 2019 – May 2019*

- Built an escape room game using Java allowing players to place items into desired places to ultimately solve the puzzle and escape the room
- Created items of the game using polymorphism to design multiple forms of object such as visible, clickable, draggable from basic object
- <https://github.com/YeochanYoun119/EscapeRoom>

## LEADERSHIP/ ACTIVITIES

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