

# John Altankhuyag

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## EDUCATION

### Stanford University

*Expected Computer Science B.S, Economics minor*

Stanford, CA

2022

Relevant Coursework: Programming (CS106A CS106B), Systems (CS107 CS110), Probability (CS109), Discrete Math (CS103), Game Design (CS377G), Graphics (CS148), Cyber-security (INTLPOL 268), Algorithm/Data Structure (CS161), Web development (CS193X), Machine Learning (CS229)

### Beijing No.80 High School

*Class Valedictorian*

Beijing, China

2018

## EXPERIENCE

### IT Zone LLC

*Software Engineering Intern*

07/2018 - 10/2019

- Developed and enhanced multiple features with full customizability option across HRM web platform used by top companies in Mongolia.
- Designed and built Front-end for key features and integrated them with back-end servers. Debugged existing code to solve problems and worked in deploying a full-scale product.

### Stanford EduTech

*Research Software Developer*

06/2020 - 09/2020

- Designed and built a complete phone app from the ground up. Built and implemented advanced functionalities, such as Firebase Visual Recognition, knowledge-base data scraping, ML color classifier, and NLP chatbot with voice recognition.
- Ran user research with consumers and worked on iterative design and development.

## PROJECTS

### Green HRM

*Fully automated HR platform for companies*

ITZone LLC

- Designed and built most of the Front-end and built data visualization from back-end data
- Built seamless user personalized functionalities interacting with back-end servers, including login, update info, calendar, scheduling etc.

### AI Spy

*Machine learning & Computer vision education app*

Stanford Edutech

- Utilizes machine learning, visual recognition, and data scraping to allow an AI Chatbot to detect objects in images and support a fully-functional speech based game of "I Spy" with the user

### WeSearch

*Wikipedia scraper app*

For-fun project

- A search engine that scrapes basic definition, information, and example image from Wikipedia and displays it in an informative single-page format.

### Snackchat

*Diet and nutrition assistant*

Hackathon project

- Allows users to take pictures of their daily foods and snacks and scans it for nutritional information, which an AI chatbot stores and chats with the user about their diet and calorie intake

## DEVELOPMENT

Front-end (React, HTML, CSS, JS)  
Mobile (Java, Kotlin, Swift, Android studio, Xcode)  
Back-end (Nodejs, Python)

## LANGUAGES

Systems (C, C++)  
Object-Oriented (Java, JavaScript)  
AI/Chatbots (Python, TensorFlow)