

## Nora(Yixuan) Xiao

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[www.linkedin.com/in/yixuan-xiao](https://www.linkedin.com/in/yixuan-xiao) | <https://github.com/xiaoyixu-1664940/workDemos>

### Experience

**University of Washington Finance Transformation**, Seattle, WA

**Web Developer Intern**, 2020.2.3-Present

website: [finance.uw.edu/uwft](https://finance.uw.edu/uwft)

- Design and implement improvements to website functionality and visual aesthetic
- Solicit design inputs from UWFT staff to create page templates and define style elements that can be easily utilized by content creators

**Siemens**, Beijing, China

**Full Stack Web Application Intern**, 2019.9.23-2019.12.27

- Java (Spring, JPA, Rest), HTML (Thymeleaf), CSS, JavaScript (jQuery), SQL (PostgreSQL, MySQL), Maven
- Develop the web application for displaying (based on the parameter inputs by users) and editing the data related to the sorter systems for Siemens Logistics
- The pages I develop include sort-plan-control, sort-plan-edit, chute-statistics, chute-operation, induction-statistics, mail-tracking and equipment operation.

**Bohai Bank**, Tianjin, China

**IT help desk intern**, 2018.7.1-2018.8.31

- Set up the work environment for new employees (systems, softwares, internal networks)
- Troubleshoot problems related to computers, software, printers, networks, etc.

### Projects

**Chess Bots (Java, minimax and alpha-beta algorithm, multi-thread programs)**

Predict the best move according to the current board state.

**Word Suggestion of Text (data structure, top k sort)**

According to the emails written by the typer, store the words as the keys and the possible words following them and their respective frequencies as the values. Find out the 5 words with highest frequencies following the word that the typer currently types.

**Flight Ticket Booking (Java & SQL, database)**

Store the information of users and reservations in the database.

Write functions like login, creating users, searching for tickets, making reservations, paying the tickets, cancel the reservations, displaying all reservations of one user.

**Pokemon Game (HTML, CSS, JavaScript, Ajax, jQuery, PHP, API, SQL)**

Populate Pokedex with Pokemon names and pictures (get informations from API). Define page responses when the user clicks found Pokemon, and buttons for starting the game, making Pokemon's moves, fleeing the game and ending the game.

Create a table for storing the information of found Pokemon in the database.

Use PHP to write APIs for adding, deleting and trading Pokemon, changing Pokemon's nickname, and returning the info of all Pokemon from the table.

### Skills

Data structure, Database, Web Development

Java (Spring, JPA, Rest, Maven), Python, PHP, C

HTML (Thymeleaf), CSS, JavaScript (jQuery), Ajax, API

SQL (PostgreSQL, MySQL, Spark, NoSQL, SQL++)

SML, Racket, Ruby

Linux, Git, JUnit

### Education

**University of Washington**, Seattle, WA (Expected Graduation Date: December 2020)

B.S. in **Computer Science**