

Yuxin Sun

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EDUCATION

Portland State University, Portland, Oregon	Sep 2019 – Mar 2023
<i>Bachelor of Science in Computer Science, Minor in Mathematics</i>	Dean's List

Changchun University of Technology	Sep 2017 – Jun 2019
<i>Bachelor of Science in Computer Science and Technology</i>	

Key courses:

Software Engineering, Principles of Programming Languages, Introduction to Operating Systems, Database Management Systems, Full-stack Web Development, Programming Systems, Applied Statistics, Deep Learning and Machine Learning

WORK EXPERIENCE

Portland Institute Nanjing Teaching and Learning Center	Oct 2022 – Present
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Tutor

- Tutored students from civil engineering and electrical engineering with their technical writing and English grammar learning
- Assisted instructors with course management and marking of assignments

PROJECTS

Available Aid	Jul 2022 - Dec 2022
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- Developed a full-stack web application for homeless people to find shelters in Portland.
- Used Figma to render and designed the front-end page under Laravel and Node.js

Stroke Prediction	Jul 2022 - Sep 2022
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- Trained machine learning models with patient data and the best model successfully identified anomalies with 95% accuracy.
- Implemented different machine learning solutions including K-means, Bayesian, and Multi-Layer Perceptron.

Boba Tea Search Web	Jun 2022 - Jul 2022
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- Built a full-stack Web for Boba fans to find the best Boba Tea in Portland.
- Utilized Figma to render and designed the front-end page under React and Node.js.
- Loaded the image with Docker and ran it as a containerized application.

Supervised and Unsupervised Deep Learning	Apr 2022 - Jun 2022
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- Built NN, VGG16, Resnet50 and LeNet5 and ran it via Google Colab
- Trained the model with 3000 images and compared results using evaluation metrics.

Boba Tea Database**Nov 2021 - Sep 2022**

- Implemented stability, reliability, and performance by optimizing in-application SQL statements and designed user-focused databases.
- Obtained data from multiple tables to analyze Boba Store using SQL queries.

Member Terminal Chocoholics Anonymous**Feb 2022 - May 2022**

- Developed a member terminal by C++ for members in Chocoholic Anonymous through waterfall method.
- Implemented binary search tree and the add, search, and delete function.

Ordering System**Nov 2021 - Sep 2022**

- Developed a food ordering system with Java.
- Implemented AVL tree and the add, search, and delete function.

COMMUNITY INVOLVEMENT

Committee Member of Student Association**Sep 2017 – Jun 2019**

- Organized innovation competitions and Q&A sessions for new students
- Assisted student teams with presentation of innovative ideas to the community

SKILLS

Language: Mandarin (Native), English (Fluent)**Programming Languages:** C++, Java, Python, JavaScript, TypeScript, HTML/CSS, SQL, R, PHP**Tools:** MySQL, Docker, React, Laravel, Gut, Node.js, Pytorch, Figma, MongoDB