

Yong Shen (Hans) Wong

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EDUCATION

University of Central Oklahoma, Edmond

Institutional GPA: 3.88/4.00

B.S Computer Science

Expected: July 2025

- Honors: 3x President's Honors List, 2x Dean's Honors List, RCSA Grant Recipient
- Relevant Coursework: Data Structures, Algorithms, OOP, Databases, Cloud Web Apps Development, Mobile Apps Programming, Operating Systems, AI, Cybersecurity, Computer Network & Organization, Software Architecture & Design, Data Science, Stats, Linear Algebra
- Activities: **UCO (Tutor, Grader), Oklahoma Research Day and Tri-Center Symposium (Research Assistant),** UCO Intramural Basketball Team (5v5, 3v3)

SKILLS

JavaScript, TypeScript, HTML/CSS, Python, C/C++, Java, Swift, Bash, MySQL, Prolog, **Postgres, MongoDB,** Docker, NumPy, Pandas, **React,** React Native, Figma, **ThreeJS,** Azure, **NextJS, NodeJS, ExpressJS,** UML, Linux, C#, **Kubernetes,** Kotlin, Spring Boot, Pytorch, Tensorflow, NPM

EXPERIENCE

Penny Pincher | [GitHub](#) | [Demo](#) | Agile | React, Docker, JavaScript, MySQL

Jan 2025 – May 2025

Software Engineer

- Developed a finance web app that helped users track expenses, achieving 95% user satisfaction in usability tests.
- Delivered an MVP in 16 weeks with a team of 6 by managing work with Agile/Scrum methods.
- Implemented the frontend UI that dynamically tracks when user inputs income/expense and will notify user if amount exceeds budgets.
- Created APIs to access and modify the data from the database to the UI

PROJECTS

UCO Exam Scheduler | [GitHub](#) | [Demo](#)

May 2025 – July 2025

- Built a full-stack web application for UCO students to register, view, and manage their exam schedules, using React, Spring Boot, and PostgreSQL.
- Implemented RESTful APIs for exam CRUD operations, including endpoints for adding, editing, deleting, and bulk exporting schedules.
- Enabled users to export all scheduled exams to a device calendar (.ics) and view official UCO exam timings.

Broncho Books | [GitHub](#) | [Demo](#)

Jan 2025 – Feb 2025

- Created a UCO inspired marketplace full-stack web application for buying and selling used books, using React, Chakra UI, Express, and MongoDB.
- Built RESTful APIs for efficient data management, including endpoints for user login, book management, and bulk deletion.

Natural Language to UML Diagram Generator

March 2025 – May 2025

- Developed a full-stack application (Kotlin/Spring Boot backend, HTML/CSS/JS frontend) that transforms natural language descriptions into UML diagrams using AI models.
- Designed and implemented RESTful APIs for diagram generation, supporting multiple AI backends and dynamic diagram type/method selection.