

# SHEENA LAI

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## Education

### Stanford University

Expected Graduation: 2025

Computer Science, B.S. (GPA: 4.170/4.0)

- **Coursework:** *Computer Organization and Systems*, *Programming Abstractions in C++* (object-oriented programming, abstract data types, algorithms), *Probability for Computer Scientists* (machine learning intro), *C++ Programming Laboratory*, *Mathematical Foundations of Computing*, *Great Ideas in Graphics* (computer graphics), *Linear Algebra*, *Multivariable Calculus*
  - **Extracurriculars:** Stanford Arcade, Women in Computer Science, Women in Design, Cap and Gown
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## Experience

### Intersystems

Cambridge, MA

#### Software Engineering Intern - App Services Team

(May 2022-August 2022)

- Co-developed Microsoft Outlook extension (Node.js) to process documents; used by Customer Operations team.
  - Built REST API endpoints from backend (ObjectScript, SQL).
- Built 2 fullstack & augmented 2 existing pages integrated with database to organize, update, process, and link documents for customers. operations internal use (ObjectScript, SQL, JavaScript, CSS/HTML).
- Learned Angular, ObjectScript, SQL, unit testing, version control workflow.

### Transformation Lead LLC

Atlanta, GA

#### Web Developer Intern - Marketing Team

(June 2021 - September 2021)

- Led, developed, implemented website redesign campaign (25 live pages) with Wordpress, JavaScript/HTML/CSS
  - Integrated website contact form with back-end Salesforce web-to-lead automations.
  - Improved SEO from 6th to 1st place under 'transformation lead' keyphrase.
- Created 50+ pages of documentation, centralized website theme for sustainable use.

### Digitize Hackathon Mentorship Program

Atlanta, GA

#### Instructor - Java

(June 2020 - July 2020)

- Tutored, created lesson plans, designed activities surrounding computer science principles.
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## Projects

**PantryAssist** - Food pantry manager to organize volunteers, clients, shifts (ReactJS frontend, Django backend, Google Calendar API, REST APIs).

**Personal Website** - Hip generative art, fun interactive graphics, my computer science journey (HTML/CSS, Javascript).

**Latin Translation Aid** - Address lack of study resources online for the Latin language with word-by-word analysis (Java, Android Studio, OOP, web-parsing).

**Basic Neural Networks** - Adapted logistic regression & Bayesian network models to make predictions from CSV dataset (Python, NumPy).

**Dynamic Heap Allocator** - Explicit & implicit versions of malloc, realloc, and free with coalescing (C, linked lists).

**3D Endless Runner Game** - Collect cigarettes from the streets (C#, Unity); 2020 G4C Category Winner.

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## Skills

**Languages:** Java, Python, Javascript, AJAX, HTML/CSS, C/C++, SQL, x86 Assembly

**Technologies:** ReactJS, Django, REST APIs