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 introduction)*, C++ Programming Laboratory, Mathematical Foundations of Computing*, *Great Ideas in Graphics* (2D, 3D, animated computer graphics), *Linear Algebra, Multivariable Calculus,*
- **Extracurriculars:** Stanford Arcade, Women in Computer Science, Women in Design, Cap and Gown

Experience

Intersystems   Cambridge, MA

Software Engineering Intern - App Services Team   (May 2022-present)

- Developed fullstack Outlook extension (Node.js) to expedite internal processes in a team of 2
  - Connected to internal database via 4 custom REST APIs (ObjectScript, SQL)
- Built fullstack internal processing pages integrated with internal database (ObjectScript, SQL, JavaScript, CSS/HTML)

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

Student Art Spaces Atlanta Chapter   Atlanta, GA

Founder and Head Director   (July 2020 - May 2021)

- Co-organized projects to paint signs/murals for 9 local businesses in Atlanta to promote Asian-American voting
  - Negotiated with business owners, led team of amateur painters, designed mural mockups

Digitize Hackathon Mentorship Program   Atlanta, GA

Instructor   (June 2020 - July 2020)

- Tutored, created lesson plans, designed activities surrounding computer science principles (Java)

Projects

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

Basic Machine Learning Algorithms - Programmed 2 basic machine learning algorithms (one using logistic regression, one using Bayesian networks) to make predictions given dataset

Dynamic Heap Allocator - Explicit and 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.

Skills

Languages: Java, Python, Javascript, HTML/CSS, C/C++, SQL