Vivian Gu

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, GA**

Candidate for Bachelor of Science in Computational Media   Expected Graduation: **May 2026**
and Minor in Mathematics, **GPA: 3.93/4.00**

- Relevant coursework: Computer Graphics, Object-Oriented Programming, Objects and Design, Data Structures & Algorithms, Computer Organization, Linear Algebra

PROJECTS

Restaurant Reservation System | Java, Bootstrap   **2024**

- Implemented a full stack Java web page that includes the ability to add customers, owners, and restaurants
- Allows for easy creation of reservations, accumulating of loyalty points, and tracking of restaurant capacity
- Front-end built with Javalin, Pebble, and Bootstrap for visual clarity and easy user input

Personal Portfolio Website | HTML, CSS, Javascript   **2024**

- Programmed a responsive webpage that displays my projects and art portfolio clearly and effectively
- Implemented sliding galleries and pop-ups, complete with custom pixel art background and assets

VGDev Club (Hammurabi, Altarune, Back to Bassics) | C#   **2023-Present**

- Worked with Unity to implement game logic, physics, and VFX of games
- Created cohesive pixel art sprites, tilesets, and assets to enhance the look of projects
- Produced concept art as well as 3D models and animation in Blender

EXPERIENCE

Math Magicians Branch of StudySmart Youth Services | Founder and President   **Irvine, CA**

- Taught free weekly online AMC/Mathcounts math classes while organizing a team of tutors   **2019-2023**
- Applied advertising and teaching strategies to keep students engaged, increasing class sizes by 6x

Cloudy Co & Soma Tea and Mocktail | Barista and Cashier   **Irvine, CA**

- Worked in a high-paced environment, multitasking while maintaining friendly communication   **2022-2023**

SKILLS

Programming

- Java, C, C#, OpenGL, GLSL, HTML, CSS

Design

- Digital art, concept art, and photo editing using Photoshop and Illustrator
- 3D modeling and animation in Autodesk Maya and Blender

Languages

- English (Fluent), Mandarin (Conversational)

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AWARDS

Math   **2016-2023**

- Winner of Maryam Mirzakhani AMC 10 Award: Top 5 Female Students in SoCal / Nevada Section of the MAA
- Participant of The Math Prize for Girls at MIT: 300 chosen per year based on AMC 10/12 score

ADDITIONAL ACTIVITIES + INTERESTS

- VGDev PR Team, TFT Club Staff, Berlin Study Abroad, Gaming, K-pop dance, Crochet, Cooking