

# Vivian Gu

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## EDUCATION

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### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

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

Expected Graduation: May 2026

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

## PROJECTS

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### *Restaurant Reservation System / Java, Bootstrap*

2024

- Implemented a full stack Java web page that includes the ability to add customers, owners, and restaurants
- Executed front-end allowing for easy reservation creation, loyalty points accumulation, and capacity tracking
- Built robust front-end with Javalin, Pebble, and Bootstrap for visual clarity and intuitive 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 Basics) / C#*

2023 - Present

- Worked with Unity to implement game logic, physics, and VFX such as on-hit effects and muzzle flashes
- Created cohesive pixel art sprites, tilesets, and assets to establish a strong visual identity for Hammurabi
- Produced high-quality concept art for Altarune and executed 3D modeling and animation in Blender

## EXPERIENCE

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### *Math Magicians Branch of StudySmart Youth Services / Founder and President*

Irvine, CA

- Taught free weekly online AMC/Mathcounts math classes while directing a team of 10 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

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### *Programming*

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

### *Design*

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

### *Languages*

- English (Fluent), Mandarin (Conversational)

## AWARDS

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### *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

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