

Aiden Hwang

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Education

Rice University

Houston, TX

Bachelor of Science in Mechanical Engineering, Engineering Design Minor, **GPA: 3.81**

May 2029

Relevant Coursework: Introduction to Engineering Design

Course Description:

- Students learn the engineering design process and use it to solve meaningful problems drawn from the community and around the world. Teams of students evaluate design requirements and construct innovative solutions in the Oshman Engineering Design Kitchen.

Experience

The Coder School

Farmington, CT

Research Writing Assistant

AUG 2024 - AUG 2025

- Teaching **30+** students to code through Java, Python, and C#
- Prepared **3** students for AP Computer Science Tests
- Mentored **5** students through game development projects through the Unity game engine

Kyungil University Department of Mechanical and Automotive Engineering

Remote

Research Writing Assistant

JUL 2024 - AUG 2025

- Testing configurations for passenger seats, optimizing for comfort and safety
- Developing passenger seats as autonomous driving systems evolve
- Data analysis and translation for the publication

Oshman Engineering Design Kitchen

Houston, TX

Composite Oven Engineering Design Team - Structures Lead

AUG 2025 - DEC 2025

- Designed and built a composites oven for Rice ECLIPSE rocketry team within a \$500 budget.
- Modeled the oven and frame in **Solidworks**.
- Oven is safely tested to **300° F** and rated for **380° F** for the **curing of advanced composites**

Leadership & Activities

Keyselect

Farmington, CT

Founder

JUL 2024 – AUG 2025

- Crafting custom mechanical keyboards for customers
- Successfully raised **\$1000** for the Connecticut Veterans Affairs (DVA)
- Social Media Manager: developing a website, Youtube, Instagram presence. **80k+ impressions**.

Encoded Technology

Farmington, CT

Founder

MAY 2024 – AUG 2025

- **Lead Developer** - developed a free website that outlines the basics of coding
- Introduced students to beginner Python projects in a kid-friendly manner
- Reached **70+** students with coding tutorials

Skills & Interests

- Microsoft Office Specialist for Microsoft Excel 2016
- **Technical:** Solidworks, Coding (Python, Java, C#), Arduino and Circuits
- **General:** Teamwork, Adaptability, Critical Thinking
- **Languages:** English: Fluent, Spanish: Intermediate, Korean: Conversational