

J. Evan Ho

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EDUCATION

Rice University

Bachelor of Science in Electrical & Computer Engineering; Minor in Engineering Design

▪ Cumulative GPA: 3.7/4.0

Houston, TX

Expected May 2027

WORK EXPERIENCE

Rice Office of Technology Transfer

Technology Transfer Intern

▪ Conduct in-depth prior art searches to evaluate new and existing inventions from Rice engineering departments for patentability and commercialization potential

▪ Identify and assess viable licensing opportunities through preliminary market analysis

▪ Work with the IP team to review patent applications and respond to actions from the USPTO and other patent offices

Houston, TX

September 2024 - Present

Oshman Engineering Design Kitchen

Lab Assistant

▪ Guide over 200 students in prototyping for design projects using manufacturing tools and software, including laser, waterjet, and plasma cutters, woodshop equipment, 3D printers, CNC machines, and electrical instruments

▪ Run fabrication workshops, host and assist with tours, and support meetings and events in the makerspace

Houston, TX

September 2024 - Present

Rice Center for Engineering Leadership

Summer Camp Instructor

▪ Co-developed with Rice Faculty and taught courses at Rice, UCLA, and Emory on 3D Printing and Robotics concepts, including 3D modeling, electric motor selection, and sensor deployment

Houston, TX

May 2024 – July 2024

Camp Invention

Leadership Intern

▪ Recognized by the USPTO for guiding K-6 students through STEM-focused experiences as a camp counselor

Vienna, VA

June 2022 – August 2022

EXTRACURRICULAR ACTIVITIES

Rice Automotive Club

Founder & President

▪ Organize and host vehicle workshops and car-related events to build a community around automotive technology

▪ Lead a project to restore and convert a 2004 Porsche Boxster to hybrid electric, including developing and implementing a custom hybrid electric powertrain

Houston, TX

March 2024 - Present

e-VAN Dashboard

Freshman Design - Oshman Engineering Design Kitchen

▪ Led the design and implementation of the dashboard for an electric-converted box truck for Rice Housing and Dining

▪ Engineered dashboard electronics, including a custom digital instrument cluster and head unit with Apple CarPlay

▪ Awarded top-level Excellence in Freshman Engineering award (\$1k) and featured in local Fox and CBS news

Houston, TX

August 2023 - April 2024

Plastic Extrusion System

Design Studio - Oshman Engineering Design Kitchen

▪ Developed a system to recycle PET water bottles into usable 3D printing filament, implementing a PID algorithm for precise temperature control at 260°C and PWM motor control system for extrusion speed regulation

Houston, TX

January 2024 - April 2024

SKILLS & ACTIVITIES

▪ **Skills:** Java, Python, Swift, Adobe Creative Suite, Microsoft Office Suite, Autodesk Fusion 360, KiCAD

▪ **Activities:** Rice Lion Dance (Co-President), Rice IEEE (Officer), Taiwanese Association, Residential College Technology Coordinator, Associate Justice & Orientation Week Advisor

▪ **Interests:** Cars, Football, Video Editing, Graphic Design