

# Taowei Huang

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## EDUCATION

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### University of Illinois Urbana-Champaign

**Champaign-Urbana, IL**

- Bachelor of Science in Computer Engineering
- Honors: James Scholar, Dean's List all semesters
- Currently enrolled: Introduction to Robotics, Digital Signal Processing, Digital Systems Laboratory
- Relevant past coursework: Data Structures, Computer Systems & Programming, Analog Signal Processing

Expected May, 2026

GPA: 4.0/4.0

## EXPERIENCE

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### Department of Math, University of Illinois

**Champaign-Urbana, IL**

*Course Assistant for Linear Algebra with Computational Applications (Math 257)*

January, 2024—Present

- Instructed and helped over 40 students in applying Python for understanding linear algebra concepts during lab sessions, enhancing their practical skills and comprehension.
- Conducted office hours for the course, providing targeted assistance to students in resolving their difficulties with lab work and homework assignments.

### Lavner Education

**Philadelphia, PA**

*IT/Technology Instructor*

June, 2023—August, 2023

- Delivered high-quality instruction in programming languages such as Scratch, Python, and C++ to a diverse group of over 30 students ranging from elementary to high school age, in both classroom and one-on-one settings.
- Provided troubleshooting and technical support for hardware and software issues, ensuring smooth operation of the classroom's technology infrastructure.

## ACTIVITIES

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### iRobotics

**Champaign-Urbana, IL**

*Electrical Team Member*

August, 2023—Present

- Developed and implemented a soft-start circuit for a nationally competitive battle bot, effectively limiting in-rush current during startup and enhancing operational efficiency and reliability.
- Built and soldered critical electrical circuits for a battle bot, ensuring precise component integration and contributing to optimal performance in national competitions.

### HKN ECE Honor Society

**Champaign-Urbana, IL**

*Member of Student Service Committee*

August, 2023—Present

- Authored extensive content for the HKN ECE course wiki, providing comprehensive course overviews and success strategies to aid student comprehension and academic success.
- Delivered personalized tutoring in courses such as Computer Systems & Programming to individual students to enhance their understanding and mastery of the course material.

## PROJECTS

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### Portfolio website

**September, 2023—Present**

- Designed and built a static website utilizing HTML, CSS, and JavaScript to effectively display personal experiences and projects to showcase technical proficiency and creative ability.
- Utilized CSS and JavaScript to develop a polished and user-friendly interface to ensure a seamless and professional online user experience.

## SKILLS

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- Programming Languages: C/C++, SystemVerilog, Python, HTML/CSS, Javascript
- Software/Hardware: KiCAD, Vivado, Oscilloscope, Signal Generator
- Languages: English (fluent), Chinese (fluent), Spanish (conversational)