

Li-Yen Huang

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EXPERIENCE

Software Engineer – Aurismart Technology Co.

Feb. - Jun. 2023 | Taipei, Taiwan

- Utilized rapid prototyping to iteratively design an accessible wearable interface for individuals with hearing impairments.
- Redesigned and developed the company website to attract investors by effectively showcasing strengths and product features.
- Conducted experiments and assessed the performances of sound recognition algorithms.

Senior Research Developer – Syntec Technology Co., Ltd.

Motion Planning Team

Jan. - Dec. 2021 | Hsinchu, Taiwan

- Collaborated with product engineers and software architects to deliver solutions aimed at reducing maintenance efforts on CNC machines.
- Boosted CNC software robustness by proactively identifying and analyzing embedded system bugs in C++.

Senior Product Engineer – Syntec Technology Co., Ltd.

CAD/CAM Team

Jun. 2019 - Dec. 2020 | Hsinchu, Taiwan

- Developed a turn-milling Computer-Aided Design and Manufacturing (CAD/CAM) system from the ground up.
- Led in-depth interviews with machine operators and conducted a comprehensive competitive analysis to define the requirements and a three-year roadmap for a CAD/CAM application.
- Designed user flows for the CAD/CAM application to produce tool paths for turn-milling machines.

Product Engineer – Syntec Technology Co., Ltd.

Laser Marking Team

Jun. 2016 - May 2019 | Hsinchu, Taiwan

- Partnered with product and research teams to iterate design solutions for a laser marking CAD/CAM application on both desktop computers and embedded systems.
- Created a new algorithm to enlarge the workspace of a laser marking system by 10x.
- Teamed up with a front-end engineer to develop core algorithms for a specialized milling application on an embedded system.

EDUCATION

University of Texas at Austin

Master of Science in Information
Studies

Aug. 2023 - Present

National Taiwan University

Bachelor of Science in Mechanical
Engineering

(GPA: 89.37/100)

Sep. 2009 - Jan. 2014

SKILLS

C++
C#
Python
HTML/CSS
JavaScript
AutoCAD
SolidWorks
Siemens NX

AWARD

First Prize, Best

Conference Paper Award

International Conference on
Advanced Robotics and
Intelligent Systems

Jun. 2014