

Yu-Han Hua

Chalmers University of Technology
MSc & BSc in Industrial Design Engineering

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Profile Design engineer focused on innovative product development and technical problem-solving. I enjoy practical, varied roles spanning concept development, 3D modeling, and prototype assembly and testing. Structured and responsible, I'm motivated by collaborative work and turning ideas into tangible solutions.

Skills

CAD: Fusion 360, CATIA, SolidWorks, Inventor

Design & Visualization: Blender, Autodesk Alias, Photoshop/Illustrator/InDesign/XD, Figma

Engineering: Prototyping, 3D printing, laser cutting, mechanical design, materials knowledge (plastics, metals, composites), design-for-manufacturing

Experience

Design Consultant, Almacube (Jun-Oct 2025): Applied Design-for-Manufacturing and design thinking to identify opportunities in the Swedish health snack market. Developed detailed user personas and scenarios, resulting in realistic prototypes for each target.

Design & PR Responsible, Academic Committee SNTD (2021-2022): Managed graphic design, organized student events, contributed to initiatives supporting student well-being and the study environment.

Line Operator (Gunnar Dafgård AB) summer 2018: Quality control, packaging and shipping of the food products.

Other Roles: Study Coach (MyAcademy), Guide (Universeum).

Education

MSc in Industrial Design Engineering (2023-2025) – Chalmers University of Technology, Gothenburg

- **Master's Thesis – Urban Air Mobility Vehicle:** Designed a concept emergency response vehicle; developed high-fidelity CAD models (Alias/VRED) and full-scale functional prototypes.
- **Satcube Project:** Developed and validated mechanical car roof mounts, created CAD models (CATIA/Fusion 360/Blender) and functional 3D-printed prototypes.
- **Reality Studio – Kenya Field Study:** Explored and designed solutions to improve agricultural processes with local farmers, with strong focus on inclusive, participatory and empathy-based design.

BSc in Industrial Design Engineering (2019-2022) – Chalmers University of Technology, Gothenburg

- **Bachelor's Thesis – Electric Mini Motorcycle:** Designed and built a functional mini motorcycle using CAD and waterjet cutting.

Languages Swedish: Native | English: Full professional proficiency (C1) | Hainanese: Native
Mandarin: Familiar | Vietnamese: Familiar

Interests Design, Engineering/technology, food, climbing, aquascaping