DESIGN ENGINEERING STUDENT · SDU ODENSE / HSLU LUCERNE

HUGO NORREEN FRANDSEN.



I look for the simplest form that still fully solves the problem.

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● OPEN FOR AN INTERNSHIP · FROM FEBRUARY 2027 · 100 WORKING DAYS

01 — SELECTED WORK

PeePen — urine test for Uvigga
SOLO · 4-DAY WORKSHOP · 2025

You dip it, and the measuring happens by itself. Alone from sketch, user journey and CAD to a 3D-printed working prototype, packaging and concept video. It helped Uvigga land investors and led to collaboration meetings in 2026.

Projector speaker — Artlinco for Uvision
TEAM OF 6 · SDU · 2026

Speakers for a portable projector, under one rule: the projector could not change. Started with contextual inquiry. My part: rapid prototypes, the technical build and much of the system thinking.

Emergency lowering — LINAK
SDU

A mechanical way to lower an actuator-driven bed in a power cut. I opened the motor to learn how its brake is released, then bypassed it by hand and simplified the gears.

Palletising robot arm
TEAM · SDU · 2025

A 3-DOF robot where linear actuators drive rotating joints. We worked the joints out in cardboard and LEGO models first, then refined them in CAD with the workshop.

GOK GOK — pull-along toy
SDU

A toy hen whose Geneva drive turns the steady roll of the wheels into stepwise motion.

02 — EDUCATION

Exchange semester, HSLU Lucerne
AUTUMN 2026

Service system for Thermaplan · sales strategy for Nihito · Engineering Product Development, Supply Chain Management, Marketing, Sales

Integrated Design (B.Eng., diplomingeniør), SDU Odense
2024 – JAN 2028

HTX Sukkertoppen, Copenhagen
2020 – 2023

03 — EXPERIENCE

SDU Vikings Formula Student · Tutor for new students
SDU · 2025

Bartending — Den Glade Gris, Visit & NU, Copenhagen Distillery
2023 – 2025

Shift responsible at Den Glade Gris (Rekom), Employee of the Year and 5× Employee of the Month. At Visit while it was named Denmark's best cocktail bar.

04 — SKILLS

MAKING & TOOLS	CAD · 3D printing · vacuum forming · cardboard and LEGO models · BOM · Arduino (basic) · Adobe (Photoshop, Illustrator, InDesign) · Granta EduPack · Office
RESEARCH	Contextual inquiry · user testing · user journeys · service and system design
CERTIFICATES	Design thinking facilitation & coaching · The Fresh Connection · TOPSIM HSLU 2026
LANGUAGES	**Danish** NATIVE · **English** FLUENT · **German** A1 · **French** A1

OUTSIDE DESIGN: HIKING WITH THE FAMILY DOG · TRAINING FOR A HALF MARATHON

FULL PROJECTS AT HUGOFRANDSEN.COM