

SHAY CHEN

E-mail: lehan.chen@student.kuleuven.be/ Tel: +(32)0456777145

[Personal Website](#)

LinkedIn: [Shay Chen](#) | [LinkedIn](#)

EDUCATION

- | | |
|--|---|
| ✧ KU Leuven
<i>Bachelor of Engineering Technology (ICT)</i> | Leuven, Belgium
<i>Aug. 2024 - Present</i> |
| ✧ Tsinghua University High School
Participated in EduAbroad's American Companion Program at Montgomery Middle School in San Diego, CA from 8/6/2017 through 8/18/2017 (San Diego, USA) | Beijing, China
<i>Sep. 2016 - Jun. 2022</i> |

AWARDS & HONORS

- | | |
|---|------------------------|
| ✧ KU Leuven
Grand Prize – Collibra Track & Best Technical Award (Overall) Next Level Challenge Hackathon
Grand Prize -- CAMP Network Track WAIBSummit Presents Europe's Largest AI & Web3 Hackathon | Leuven, Belgium |
| ✧ Tsinghua University High School
The Champion of 2019 Haidian District Youth Robot Competition Comprehensive Skills
The First Prize In 20 th Beijing Youth Robot Competition online
The First Prize In 2019 Haidian District Youth Robot Competition
The Second Prize in 21 st Beijing Robot Competition Comprehensive Skills | Beijing, China |

EXPERIENCE

- ✧ **Sweco| Product Engineer Intern**
Leuven, Belgium | Oct. 2026 – Present
- ✧ **DataCamp | Full-Stack Engineer Intern**
Leuven, Belgium | Jul. 2026 – Sep. 2026
 - Developed **internal tools and operational dashboards** used by DataCamp teams to automate workflows and improve visibility into business processes.
 - Built workflow integrations across internal campaign services and **AWS S3**, reducing repetitive manual review and content-management tasks.
 - Contributed to production services through **GitHub-based code review and deployment workflows**, working with Python, SQL, APIs, and internal service infrastructure.
- ✧ **Knoqs | Backend / AI Engineer**
Belgium | Apr. 2026 – Present
 - Architecting and scaling a **multi-tenant B2B SaaS platform** for European SMEs, with ownership of core backend development and application services.
 - Designing **production-ready AI/RAG workflows** integrating enterprise data sources, external APIs, and LLM-powered automation.

- Building and maintaining backend infrastructure across **APIs, PostgreSQL, authentication, third-party integrations, and multi-tenant data isolation**.
- Owning production deployment and service reliability using **FastAPI, Docker, PostgreSQL, and Coolify**.
(Confidential under NDA)

PROJECT

- ✧ **Ask Your Data | Python (Flask), RAG pipeline, Collibra API, Databricks, Render | March 2026**
- **Grand Prize (Collibra Track) & Best Technical Award** at the Next Level Challenge Hackathon, competing against 300+ participants.
- Built a **metadata-grounded AI system** integrating Collibra governance data with Anthropic Claude to generate traceable, context-aware SQL.
- Developed a deterministic Python/Pandas rule engine and deployed the application with **Flask** on Render, achieving **20/20 verified metric outputs**.

- ✧ **Aqua Seal | Python (FastAPI), React, TypeScript, Docker, Web3 (CAMP Network) | Nov 2025**
- **Grand Prize, CAMP Network Track** at WAIB Summit Monaco for a decentralized digital IP protection platform.
- Built a **React/TypeScript frontend** and **FastAPI backend** supporting invisible watermarking and verification for images, audio, and PDFs.
- Integrated **MetaMask, CAMP Network, and Origin SDK** to verify asset ownership against on-chain metadata; containerized and deployed the backend with Docker.

SKILLS

- **Languages:** Python, TypeScript, JavaScript, SQL, Java, C++, C#, Verilog, HTML/CSS
- **Backend & Data:** FastAPI, Flask, PostgreSQL, Pandas, NumPy, Databricks, REST APIs, RAG
- **Frontend:** React, Next.js, Tailwind CSS, Chart.js
- **Infrastructure & Tools:** Docker, AWS S3, Git/GitHub, Render, Railway, Vercel, Datadog, Jira
- **Platforms & APIs:** Collibra, Anthropic Claude, OpenAI APIs, Web3.js