DARIUS FOODEEI

darius.foodei@gmail.com | dfoodeei@ethz.ch | +41 78 408 45 78 | US & Swiss Citizen
github.com/userdarius | userdarius.com | linkedin.com/in/darius-f-922447173

Education

ETH Zurich — Swiss Federal Institute of Technology Zurich Zurich, Switzerland
M.Sc. Computer Science — Machine Intelligence & Theoretical Computer Science *2025 – 2027*

- Coursework: Robot Learning, Large Language Models, Algorithms for Data Science, Computational Models of Motion and Control, Computational Statistics

EPFL — Swiss Federal Institute of Technology Lausanne Lausanne, Switzerland
B.Sc. Computer Science *2022 – 2025*

- Coursework: Operating Systems, Functional Programming, Neural Engineering, Theory of Computation, Computer Security, Algorithms, Machine Learning, Computer Architecture, Probabilities and Statistics, Calc 123, Linear Algebra, Physics

Research & Technical Experience

ETH Robotics Club (ETHRC) — Humanoid Project Lead Zurich, Switzerland
Software Lead *2025 – Present*

- Architecting the full software stack for a student-built humanoid, integrating NVIDIA's open source GR00T and using a neural whole-body controller (SONIC) for end-to-end data collection, dexterous manipulation and navigation for the Unitree G1.
- Implementing Diffusion Steering with Latent Space RL on GR00T N1.6 to improve SR on bin picking and manipulation tasks (in collaboration with Cartier and PayPal). Exploring real2sim with Gaussian Splatting.

EPFL ML & Optimization Lab Lausanne, Switzerland
Semester Project under Prof. Martin Jaggi *Fall 2024*

- Research on semantic uncertainty across decoding methods (speculative sampling, multi-token prediction, chain-of-thought) on QA, summarization, and code generation tasks.
- Contributed to inference pipeline design for the Swiss AI 70B open-source LLM.

ISIC 2024 Skin Cancer ML Competition
Kaggle Silver Medal — Top 20% *Summer 2024*

- Built a dual-headed attention model with sparse encoding for high-recall lesion classification; deployed the model into a proof of concept app with AWS hosting for inference and Teladoc integration.

Suilend — Smart Contract Engineer & Quant Researcher Remote
Part-time (suilend.fi — $950M TVL, largest DeFi protocol on Sui) *2024 – 2025*

- Quantitative modeling for liquidity optimization and interest rate derivatives; smart contract development in Move.
- Backend engineer on ex-Uber and ex-Google team of 6 people.

Trader Joe DEX — Backend Engineering Intern Remote
Algorithmic Trade Router *2023*

- Built a fractional swap router partitioning trade amounts across liquidity pools for optimal pricing on multiple EVM chains ($120B+ cumulative volume).

Honey Labs — Co-Founder & CTO Remote
Money Market on Solana & Ethereum *2020 – 2022*

- Raised $3.8M seed round (Jan 2022); led team of 8 engineers; oversaw OtterSec security audit; acquired end of 2023.

Technical Skills

Languages: Python, C/C++, Rust, Move, Solidity, Java, Scala, JavaScript/TypeScript, SQL, Assembly

ML & Robotics: PyTorch, CUDA, IsaacLab/Sim, Nvidia COSMOS, ROS2

Tools: Git, Docker, AWS, Kubernetes, Hardhat, Foundry, React Native

Spoken Languages: English (native), French (native), German (B2)

Awards & Recognition

Swiss National Science & Youth Competition — 2nd Place 2020

- Astrophysics project on dark matter and Milky Way mass distribution; presented to a national jury of professors and scientists.

ETH Zurich Hackathon Winner — Gelato VRF 2023

- On-chain Verifiable Random Function using DRand beacon; awarded Gelato developer grant; natively deployed on Gelato RaaS with 10B+USD in powered volume.

Founderful Campus Fund — Student VC Partner 2023 – 2024

- Led pre-seed deal for Stacksync (YC Fall 2023).