Aleksei Terin

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From machine learning to web development to data structures & algorithms.

PROFESSIONAL EXPERIENCE

📈 Giant Leap Trainee   May 2024 – Aug 2024
Vaisala Oy, Helsinki

- developed a web graphing framework to streamline data visualization
- cut internal development time by 2x, saving on bugs and costs
- supported integration into production
- presented results to >300 staff, earning recognition

React, Node, Typescript, pnpm, data processing and visualization, Jest, Bitbucket

⚽ Full‑stack developer Jan 2023 – May 2024
Copa de Kuutio, SYK, Helsinki

- solo shipped a full‑stack (MERN) web application for organizing football tournaments
- learned web architecture, integration tests, user authentication etc. in production
- supported >700 active users

MongoDB, ExpressJS, React, Node, requirements analysis, Microsoft Azure, Git, CI/CD

🐦 Level design trainee   Feb 2023
Rovio Puzzle Studio HQ, Espoo

- interned at Rovio Puzzle Studio HQ with a focus on level design and beta testing
- completed a Rovio Design Intern Test on Angry Birds Match

Level design, testing, game development, report writing

❄ Partnership Chambers volunteer   Feb 2023
Slush, Helsinki

- arranged meetings for Slush partners like Google, Nordea etc.

EDUCATION

Helsingin Suomalainen Yhteiskoulu (SYK)

- IB score: 44/45
- Computer science Extended Essay A
- Case study on autonomous rescue robots

Ressu Comprehensive School (Ressun pk)

- Academic GPA: 10.0

PROJECTS

📊 Unwrapped Mobile App

- full‑stack application to analyze WhatsApp chat messages and visualize findings
- cross‑platform React Native frontend
- Python data crunching backend with machine learning

♟ Chess Match‑3

- a match‑3 game fusing chess piece mechanics
- written in Unity, 3D modeled in Blender

🧩 Puzzle Game Solver Algorithm

- a Java implementation of Donald Knuth's Algorithm X
- scouts through the entire solution space in seconds for a puzzle game that would take humans hours

🔑 RoomMates Mobile App

- a mobile social media application prototype to connect people over hobbies
- earned my team 1st place at Nexus Hackathon 2023

More on GitHub…

- steganography
- tower of Hanoi
- functional Java IDE

HONORS & AWARDS

- **TuKoKe 2024**: national research finalist, paper on synthetic data generation for computer vision models
- **Datatähti 2022‑23**: two-time national C++ competitive programming finalist
    - represented Finland in Nordics and Baltics
- **Nexus Hackathon 2022‑23** by Junction: 1st place in Rovio category, 1st place overall
- **WSDC 2022‑23**: Twice international debate representative for Finland