



# Dan Zolotov

## BSc Informatics Student

- Full Name: Danils Zolotovs
- Date of Birth: 29/10/2001
- Dual EU & UK National, B Permit
- ✓ No Visa Sponsorship Required

## Contact Details

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## Profile

Motivated BSc Informatics student at the University of Zurich with a unique background in Industrial Design. Seeking a 12-week mandatory summer internship to apply academic knowledge to real-world software projects. Passionate about Cybersecurity, Frontend Development, & Fintech.

## Education

### University of Zurich | BSc Informatics

09/2024 – 06/2027 | Zurich, Switzerland

Major: Software Systems

Minor: People-Oriented Computing

Key Modules: Software Construction, Informatics 1 & 2, Foundations of Computing 1 & 2, Mathematics 1 & 2, Numerical Methods, Computer Networks & Distributed Systems.

### Loughborough University | BA Design

09/2020 – 11/2022 | Loughborough, UK

Certificate of Higher Education

First Year: BA Industrial Design & Technology

Second Year: BA Design

Key Modules: Technology in Industrial Design, Prototyping for Design, User Centred Design, Design Research in Practice.

### Bilborough Sixth Form College | A-Levels

09/2018 – 07/2020 | Nottingham, UK

Design & Technology (A\*), German (A\*), Maths (A), Russian (A).

Best Performance Award: Design & Technology, German.

## Projects

### Multithreaded Port Scanner | Personal Project

Built CLI-based TCP port scanner tool in Python using socket & threading for concurrent execution. Features include service banner grabbing, randomised scan orders, & JSON output for logging. Validated the core logic with a comprehensive pytest suite to handle network timeouts & edge cases.

### Password Complexity Analyser | Personal Project

Created Python-based CLI tool using modular design principles to audit password security by calculating Shannon entropy & checking against common dictionary attacks. Implemented algorithms to estimate brute-force crack times based on modern GPU benchmarks.

### Swiss Post Logistics Optimisation | UZH | Introduction to Operations Research

Developed a Mixed-Integer Linear Programming (MILP) model with complex constraints to optimise route efficiency for electric delivery vehicles. Implemented & benchmarked TSP algorithms in Python using Gurobi, analysing solver runtime & complexity.

## Skills & Software

### Languages

English	██████████	Fluent
Russian	██████████	Native
German	██████████	Advanced C1
Latvian	██████████	Basic A2
Swiss German	██████████	Beginner A1

### Programming

#### Backend & Web Development

Python, C, R, JavaScript, HTML, CSS, SQL.

#### Workflow & Tools

Git & GitHub, VS Code, LaTeX, Notion.

### Design

#### Adobe Creative Cloud Suite

Photoshop, Illustrator, InDesign.

#### CAD & 3D Modelling

SOLIDWORKS, Blender, Keyshot.

#### UI/UX Design

Figma, Adobe XD.

## Interactive Data Visualisation Analysis | UZH | People-Oriented Computing

Conducted usability analysis of high-dimensional population datasets. Applied HCI frameworks to evaluate system responsiveness & user navigation. Assessed data integrity & graphical perception, identifying critical design flaws that led to misleading data interpretation & increased cognitive load.

## Usability & Human Factors Analysis | UZH | People-Oriented Computing

Created structured report featuring a heuristic evaluation of enterprise productivity software to identify usability bottlenecks & cognitive load issues. Diagnosed workflow inefficiencies & interface complexities that contribute to user error & decision fatigue.

## Work Experience

### Self-Employed Food Delivery Driver | Uber Eats, Deliveroo, Just Eat

08/2024 – Present | Zurich, Switzerland, 07/2021 – 06/2023 | Loughborough, UK

Worked while studying full-time at university. Leveraged customer service, logistical planning, & time management skills to independently deliver packages in a fast-paced environment. Achieved a consistent 4.96/5.0 customer satisfaction rating through clear communication & proactive problem-solving. Optimised delivery routes to maximise efficiency & ensure timely order fulfillment.

### Video Stream Game Presenter | Euro Live Technologies, Playtech

08/2023 – 03/2024 | Riga, Latvia

Worked on the German team, using excellent language & communication skills to interact with players from Germany, Austria, & Switzerland. Consistently reached maximum KPIs by following procedures, focussing on speed & precision, paying attention to detail during games. Earned the Rising Star Award for best performance among peers during the training period.

## Other

### Certifications

#### Responsive Web Design | freeCodeCamp

01/2025 | Completed 300 hour curriculum, building responsive, accessible web pages using HTML & CSS.

#### Enterprise Design Thinking Practitioner | IBM

12/2024 | Certified in enterprise-level UX methodologies, focussing on empathy mapping, ideation, & rapid prototyping to solve complex user problems.

#### Test Deutsch als Fremdsprache | TestDaF-Institut

06/2024 | Advanced German proficiency (C1) for academic & professional contexts.

#### Language Courses | Sprachenzentrum UZH & ETH Zürich

12/2024 | Dialektverstehen und Deutsch im Schweizer Alltag (2 ECTS)

12/2024 | Schweizerdeutsch verstehen für Deutschsprachige (2 ECTS)

## Volunteering

#### Russian Translator | freeCodeCamp

01/2025 – Present | Remote

Contributing to the localisation effort by translating the curriculum into Russian.

## Interests & Hobbies

Cybersecurity, Privacy, Art & Design, Hiking, Cycling, Running.