

# Alexandra Strompova

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## EDUCATION

### University of Glasgow

Sept 2019 – May 2023

*Bachelor of Science in Computer Science*

- **Relevant courses:** Algorithmics, Software Development, Systems Programming, Data Fundamentals, Mathematics

## EXPERIENCE

### University of Glasgow

Sept 2021 – Present

*General Teaching Assistant*

- Demonstrating groups of 5 Computing Science undergraduates by helping with MySQL Workbench set up and exercises on DB Management including SQL queries and relational algebra.
- Leading a pair programming class of 20 students.

### U.S. Steel

Jun – Sept 2019

*Database Developer Intern*

- Modelled and organised data using Power BI Microsoft, Toad for Oracle utilizing SQL and DAX languages.
- Made visualisation of the internal server communication load and bandwidth in a team with senior software developers.
- Analysed internal data and discovered the bottlenecks that lowered the server ingress costs by 20%.

### Snow Factor LDT

Jan 2020 – Present

*Alpine Ski Instructor*

- Leading ski lessons of 1 to 10 kids or adults, constantly adapting to dynamic schedule, environment and customer needs.

## PROJECTS

**Meme Portal** | *Python, HTML, CSS, Django, GitHub*

- Developed a website as a part of a team using the Django framework and GitHub pull, push and merge requests.
- Created wireframes, HTML templates and documentation to make it understandable for my teammates.

**Event Simulator** | *Python, PyCharm*

- Implemented a set of scheduling algorithms such as Round Robin or Shortest Job First to simulate the scheduling and dispatching of processes using OOP in Python.

**Pokémon Battle** | *Java, Eclipse*

- Implemented a game using the Swing GUI framework and multi-threading to visualize simulations of monster battles.

## EXTRACURRICULAR ACTIVITIES

**Glasgow University Society For Women in Tech**

Aug 2021 – Present

*Student Ambassador*

- Organising career oriented and social events such as hackathons and workshops, managing social media platforms.
- Secured 80% of overall funding by recruiting sponsors and helped to increase the member platform by 45% for the past year.

**Google**

Jul– Aug 2021

*Get Ahead Program participant*

- Solved weekly challenges by writing Java programs focused on dynamic programming and data structures e.g. trees, 2D arrays, hash maps.

**Glasgow University Tech Society**

Oct 2019

*Do You Have The GUTS Hackathon competitor*

- Demoed a Répondez s'il vous plait app for confirming attendance at an event, integrated message confirmation protocol using Twilio's API in Python.

## SKILLS

**Technical**

**Programming languages:** Python, Java, SQL, HTML, CSS, x86 assembly, DAX

**Technologies/Frameworks:** GitHub, GitLab, Linux(Ubuntu), Bash,  $\text{\LaTeX}$ , Django, Anaconda, Power BI Microsoft, Figma, everyday graphical applications e.g. MS Office, Trello, Asana, email

**Developer Tools:** Eclipse, Atom, PyCharm, Jupyter, MySQL, Toad for Oracle

**Languages**

English, Slovak, Czech: fluent | Russian, Hungarian: limited professional proficiency

## PERSONAL FACTS

I'm a competitive observational learner. • There's an apple tree growing in my room. • I use Spotify for messaging.