Alexandra Strompova

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EDUCATION

University of Glasgow Sept 2019 – May 2023

Bachelor of Science in Computing 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
- Modeled and organized 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, 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.