

Alexandra Stropova

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EDUCATION

University of Glasgow

Sept 2019 – May 2024

Bachelor of Science in Computing Science

- **Computing Science courses:** Software Development, Database Management, Data Fundamentals, Mobile HCI, Cyber Security
- **Mathematics courses:** Linear Algebra, Multivariable Calculus, Mechanics, Real Analysis, Methods and Modelling
- **Awards:** Prize for the best Level 3 Honours Team Project awarded by the School of Computing Science

EXPERIENCE

Publicis Sapient

Jul 2022 – Sept 2022

Software Engineering Intern

- Developed a data streaming backend process for a web app using Java and Apache Beam framework on Google Cloud Platform
- Participated in a fullstack fundamentals Knowledgehut training including microservices, devops and cloud services

University of Glasgow

Sept 2021 – May 2022

General Teaching Assistant

- Laboratory group demonstrator for Computing Science undergraduates for classes on DB Management, SQL and Python

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
- Produced data visualisations of the internal server communication load and bandwidth in a team with senior software developers

PROJECTS

UI Consistency Checker | JavaScript, Google Chrome

- Developed a browser extension to check for user interface consistency based on given criteria e.g. fonts, colours, borders
- Applied agile and scrum practices in a team of 5 fellow classmates collaborating via GitLab

Meme Portal | Python, HTML, CSS, Django

- Developed a web app for sharing images as a part of a team using the Django framework and GitHub
- Created wireframes, HTML templates and documentation

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 object oriented programming 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 +Allies

Aug 2021 – May 2022

Vice President, Student Ambassador

- Organised career oriented and social events such as hackathons and workshops, managed social media platforms
- Secured 80% of overall funding by recruiting sponsors and helped to increase the member platform by 40%

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

Glasgow University Tech Society

Oct 2019

Do You Have The GUTS Hackathon competitor

- Demoed an app for confirming attendance at an event, integrated message confirmation protocol using Twilio's API in Python

SKILLS

Technical

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

Technologies/Frameworks: Git, Linux, Google Cloud Platform, Docker, Virtual Box, Bash, Spring, \LaTeX , Django, 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

PERSONAL FACTS

I'm a ski instructor • There's an apple tree growing in my room • I use Spotify for communicating