

# Eleonora Diakonova

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## Technical Skills

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Languages: Java, Python, C, C++, C#, SQL, PHP, Typescript, HTML, CSS, JavaScript

Testing / Tools: JUnit, Selenium, Chai, Git, GitHub, React, Node.js, Stata, Unity, Oracle Database

## Education

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The University of British Columbia, *Bachelor of Computer Science* Sept 2022 - May 2025  
Notations: Dean's Honour List 2022

The University of British Columbia, *Bachelor of Arts - Honours Economics* Sept 2018 - May 2022  
Notations: Dean's List 2018, 2019, 2021; Trek Excellence Scholarship 2019

## Work Experience

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AV Support, UBC Sauder at Robson Square (Vancouver, BC) [Part-time] Feb - Apr 2025

- Set up and disassembled AV equipment in the classrooms to ensure a smooth learning experience
- Delivered real-time technical troubleshooting and support for instructors, minimizing disruptions during lectures

Research Assistant, University of Toronto (Toronto, ON) May - Aug 2024

- Improved research quality by identifying and fixing inconsistencies in the data through cleaning, preprocessing, and analysis, using Python (pandas, scikit-learn, and matplotlib libraries) and Stata
- Reduced data analysis times by 20% by optimizing the code and using different libraries and methods
- Strengthened the paper by contributing to the literature review, editing process, and visualizations

Sales Intern, BaltMedBusiness (Saint-Petersburg) Jun 2019 - Aug 2019

- Handled part of the manager's communications, expanding the company's clientele and partnerships
- Proposed, built, and maintained a database of over 200 clients to streamline sales workflows
- Received a commendation from the Managing Director for outstanding performance

## Technical Projects

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[Image Upload Website](#) | React, Node.js, Vite, AWS Jan - Apr 2025

- Created a website that allows users to upload their images (selected from a file system or sketched/AI-generated right on site) as part of an art installation project for a real estate firm
- Content was stored in an S3 bucket and transmitted through WebSockets to a virtual reality demo
- Worked on all parts of the project in a multidisciplinary team using Agile methodology, with the initial prototype receiving high praise from the client and being taken into further development

[US Book Bans Visualization](#) | JavaScript, D3.js, HTML, CSS Jan - Apr 2025

- Created an interactive tool to visualize book bans in U.S. schools and libraries (2021–2024)
- Data was presented through clickable sunburst charts, a U.S. map, and date selectors for dynamic filtering by state, district, date, and genre
- Overcame complex technical and team challenges and received positive feedback from the instructor