



website: <https://luevrata.github.io/personal-website/>

# Elizaveta Firsova

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## Technical Skills

Programming skills: Java/ JavaScript (Typescript)/ REST API / SQL/ React/ Node.js/ CSS/ XML/ HTML

Databases: MongoDB, Oracle

Testing: JUnit, Cypress, Jest, Chai

Other: Docker, Git, Jira, Jenkins, Accessibility, VS Code, Visual Studio, IntelliJ IDEA

## Education

**UBC, Vancouver** | Year 3, Bachelor of Science, Computer Science Major

09/2021 – 05/2025

Cumulative GPA: 87.3/100

Relevant Courses: Relational Databases, Algorithms and Data Structures, Artificial Intelligence

Awarded "Honor Roll Certificate"

## Internships

**Workday, Vancouver**

**Software Application Engineer Co-op** | Jest, Cypress, Typescript, React, Jenkins, REST API

09/2022 – 9/2023

- Collaborated on a cross-functional team to develop a real-time data gathering and analytics platform, resulting in a 30% increase in data processing speed
- Configured RESTful APIs and proxy endpoints to enhance app functionality
- Built reusable component using CSS and Typescript as a part of internship project to enhance user experience and improve overall look of the website, resulting in a 20% increase in user engagement
- Migrated the usages of React Redux to React Query for improved performance
- Implemented automated testing using Jest and Cypress to ensure reliable software delivery

## Technical Projects

**Appointment App** | SQL, REST API, Oracle, Java, Typescript, React

09/2023 – present

- Led a team of three students in the development of a centralized appointment scheduling system for businesses.
- Developed and maintained Java app with JDBC to interact with Oracle database
- Configured REST API endpoints for efficient data management
- Designed and optimized SQL queries for database operations, enhancing application performance
- Developed a user-friendly UI using React and Typescript to enhance the system's usability and user experience

**EngageSense Application** | Docker, Typescript, React, REST API, MongoDB, Python

08/2023 – 09/2023

- Led a team of three developers in creating a full-stack web application using React, Node.js, and MongoDB
- Established server connectivity with MongoDB and developed REST API endpoints using Python.
- Implemented authentication and authorization features to enhance data security
- Implemented queries to efficiently retrieve and display images from AWS to optimize data retrieval and storage
- Deployed the application using Docker and streamlined the deployment process

**Personal Website** | JavaScript, HTML, CSS

12/2022

- Developed personal website using HTML, CSS, and JavaScript to showcase projects, and achievements
- Designed interactive web forms using React for an engaging user experience
- Hosted the website on GitHub Pages to showcase coding and design capabilities

**College Attendance Management System** | SQL Server, Python

02/2022 – 04/2022

- Built a database in SQL Server that stored information about users and student's attendance
- Developed user interface in Python using Visual Studio
- Programmed triggers to change, update, delete data from database

**Task Scheduler** | Java, JUnit, JSON, OOP

09/2021 – 11/2021

- Developed an application in Java using IntelliJ IDEA to schedule user's tasks for a specific time
- Created JUnit tests to test JSON and base classes
- Created JSON classes to provide user an opportunity to write/read schedule to/from a file
- Designed GUI using Java Swing

## Activities

**Hackathon cmd-f 2022** | C++, OOP

03/2022

- Led a group of four students and won UBC CS Project Hub Prize
- Developed Voting System in C++ using Visual Studio
- Led a team to create accurate live statistics for vote percentages, with a focus on usability and real-time updates

**Programming Tutor, Vancouver** | Self-employed

02/2022 – 04/2022

- Created effective tutoring sessions by working closely with students to ascertain full understanding of key programming concepts like basic data structures and object oriented programming
- Offered insightful feedback and motivation to inspire students to work towards their goals
- Answered email message and telephone calls to provide quick assistance
- Reached a client base of five people