



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

# Elizaveta Firsova

Year 3, Computer Science Major

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## Technical Skills

Programming languages:	Java, JavaScript (Typescript), C/C++
Web Technologies:	React, Node.js, CSS, XML, JSON, HTML, REST APIs
Databases:	SQL Server
Testing:	JUnit, Cypress, Jest, Chai
Other:	Docker, Git, Jira, Jenkins, Accessibility, VS Code, Visual Studio, IntelliJ IDEA

## Internships

**Workday, Vancouver** 09/2022 - 9/2023

### Software Application Engineer Co-op

- Collaborated on building customer-facing web-based app using JavaScript/React and additional backend tools
- Configured RESTful APIs and proxy endpoints
- Built reusable component using CSS and Typescript as a part of internship project to enhance user experience and improve overall look of the website
- Ensured website accessibility compliance with WCAG and WAI-ARIA requirements
- Migrated the usages of React Redux to React Query
- Implemented automated testing using Jest and Cypress to ensure reliable software delivery

## Technical Projects

**EngageSense Application** 08/2023 - present

- Deployed the application using Docker and streamlined the deployment process
- Set up the foundational structure of the frontend repository using Typescript/React to optimize code organization
- Ensured a responsive UI by creating a viewport provider to enhance user experience across various screen sizes
- Implemented queries to efficiently retrieve and display images from AWS to optimize data retrieval and storage
- Established secure communication by setting up SSH certificates to enable secure HTTPS endpoint calls

**Personal Website** 12/2022

- Developed a WEB based Personal Website in JavaScript using VS Code
- Designed and developed UI Web forms using React, HTML, and CSS
- Deployed website using GitHub pages

**Pumpkin Seeds Data Analysis** 06/2022 - 07/2022

- Built classification model for pumpkin seeds based on their characteristics
- Read the data from web into R and tidied it
- Evaluated the best predictors for pumpkin seeds class prediction
- Calculated the accuracy of predictions in general and accuracy of predictions by class

**College Attendance Management System** 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

**Snake Game** 11/2021 - 02/2022

- Developed a game in Java (Android Studio) where user controls snake and consumes food units
- Designed and programmed Java graphical user interface using XML
- Used handlers to allow user to interact with the game using touch screen

**Task Scheduler** 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

## Hackathons

**cmd-f 2022** 03/2022

- Developed Voting System in C++ using Visual Studio
- This project provides voters accurate and live statistics of the percentage of the votes for each candidate, as well as the percentage of each candidate from each province of Canada
- Makes sure that each user got one vote in

## Education

**UBC, Vancouver** 09/2021 - present

- 3rd year Undergraduate Computer Science student with specialization in Software development
- Cumulative GPA: 87.3%
- Expected to graduate May 2025
- Awarded "Honor Roll Certificate"