Yegor Yeryomenko

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EDUCATION

The University of British Columbia   Vancouver, BC

Distinction – Bachelor of Science in Computer Science   Sept. 2020 – May 2024

Dean's Honour List   2020 – 2021

TECHNICAL SKILLS

Languages:	Java, Python, C/C++, JavaScript/TS, Swift, SQL, HTML/CSS, Haskell, Prolog, Erlang, CUDA, GLSL
Frameworks:	SwiftUI, Spring Boot, React, Node.js, JUnit, Mocha.js, WebGL
Libraries:	Spring Data JPA, Chai.js, Three.js, pandas, NumPy, Matplotlib, scikit-learn, Java Swing
Tools:	Git, FireBase, Postman, AWS, JDBC, Sprint Initializr, VS Code, PyCharm, IntelliJ IDEA

EXPERIENCE

Teaching Assistant – Applied Machine Learning   May 2023 – Jun. 2023

The University of British Columbia   Vancouver, BC

- Hosted post-lecture office hours, assessed student work, invigilated exams, participated on student forum.
- Gained experience in machine learning with Python, addressing student course-related concerns.
- Provided solutions to various technical challenges: e.g., environment setup, debugging student code.

PROJECTS

Interval Timer App | Swift, SwiftUI, Git   Aug. 2024

- Implemented customizable interval settings to allow users to configure set, rep, rest durations, and alert preferences.
- Integrated concurrent timer and stopwatch that preserve progress across app sessions.
- Enabled seamless background sound integration, allowing alerts without disrupting background sounds.

Sentiment Analysis with Naive Bayes | Haskell, aeson JSON, Git   Feb. 2023

- Created a CLI allowing users to train a model and use it to make predictions on their input.
- Performed preliminary data preprocessing to remove noise, resulting in model accuracy above 85%.
- Formulated a randomized data selection technique used in training and testing, saving model state.

UBC Course & Room Explorer | TypeScript, Node.js, Mocha, Chai.js, Git   Sept. 2022 – Dec. 2022

- Designed and iteratively developed app components in strict adherence to customer specifications.
- Verified expected behaviour on problems with unbounded number of solutions via expressive tests.
- Strengthened communication and teamwork skills by participating in an Agile scrum environment.
- Attentively reviewed project partner's pull requests and pointed out issues and possible bugs.
- Devised and implemented an efficient approach to perform a generic query on JSON data.

Formula 1 DBMS | Java, Java Swing, JDBC, SQL, Git   Jul. 2022 – Aug. 2022

- Collaborated with a team of 3 to build a DBMS prototype to manage formula 1-related information.
- Formalized SQL-DLL and helped with SQL-DML commands to facilitate the back-end functionality.
- Eliminated functional dependency by normalizing an entity-relationship diagram to the 3NF form.
- Accurately documented project check-in milestones to hit 96% of the project's requirements.

Workout Application | Java, Java Swing, JUnit, JSON, Git   Sept. 2021 – Dec. 2021

- Applied object-oriented principles by designing and modelling data structures for exercises and workout routines.
- Enhanced code reliability by utilizing test-driven development and writing comprehensive JUnit tests.
- Followed best coding practices by writing specifications improving code maintainability.
- Implemented the singleton design pattern for logging user events, ensuring consistent and centralized logging.