ANNA RUSINOVA

British Columbia, Canada | ara103@sfu.ca | (672) - 999 - 9631

SKILLS

- **TECHNICAL SKILLS**: C/C++, Java, C#, HTML, CSS, JavaScript, RISC-V, Git, Microsoft Office Suite
- **TRANSFERABLE SKILLS**: Problem Solving, Creativity, Adaptability, Strong organizational and analytical skills, Self-motivated, Detail-Oriented, Effective management of own work, Collaboration, Quick learner.

https://www.linkedin.com/in/**annarusinova**/

https://github.com/**arusinova**

LANGUAGES

- English, Russian

EDUCATION & RELEVANT COURSEWORK

- ### BSc Computer Science
  Simon Fraser University | 2022 - In Process

  Data Structures and Programming: Implemented search trees, heaps, priority queues, hash tables and graphs to solve complex programming problems. Analyzed time and space efficiency of various algorithms using mathematical techniques. Programmed in the C++ language.

  Introduction to Computer Systems: Gain a deeper understanding of computer architecture concepts, including memory organization, data representation and addressing. This has enabled me to be more effective in dealing with issues related to performance, portability and robustness. Through this course, I honed my programming skills in C and RISC-V assembly languages and improved my proficiency in debugging using tools such as GDB and Valgrind.

  Relevant math coursework: Calculus I & II, Linear Algebra, Probability and Statistics, Discrete Mathematics I & II, Numerical Analysis

- ### BSc Computer Science (TRANSFERRED)
  Fraser International College | 2020-2022

  Intro to Computing Science and Programming II: Acquired a comprehensive understanding of the object-oriented programming paradigm and applied this knowledge to solve various programming problems. Implemented basic common programming data structures using C++.

EXPERIENCE

- ### Snowboard trainer
  Sports School of Olympic Reserve "UKTUSSKIE GORY"

  Ekaterinburg, Russia

  Oct 2020 - June 2021

  - Organized the training process at all stages, including upgrading methodology for better results and applied it during the training process at the snow park with an individual approach for each snowboarder.
  - Coordinated with other trainers to supervise sportsmen during competitions and create a supportive learning environment that fostered their personal growth.
  - Maintained an organized and safe atmosphere at the snow park by conducting structured warm-up and mobility exercises before training and ensuring that everyone had proper protective gear.

- ### Illustrator
  Profil

  Ekaterinburg, Russia

  Jun - Sep 2020

  - Collaborated with the team to create illustrations and graphic designs for children's literature, using Illustrator, InDesign and Photoshop Adobe products.
  - Applied principles of design, learned in graphic design courses at the university, to practice.
  - Worked within very tight deadlines.

PERSONAL PROJECTS

- ### Pomodoro Timer
  2023

  - Designed and implemented a mobile app with customizable timer settings.
  - Utilized Java and Android Studio IDE to create a clean, user-friendly interface that enhances the user experience.
  - Acquired expertise in Java through leveraging tutorial videos and other resources, demonstrating an ability to efficiently learn new technologies, and consolidating my knowledge by participating in university workshops.

- ### Task Management System
  2022

  - Implemented the priority queue data structure using a min-heap for efficient updating of task priorities.
  - Enhanced the indexed min-priority queue implementation to efficiently support operations like priority updates and removals by using an AVL tree to store task IDs, achieving O(log n) time complexity.
  - Tested extensively with unit tests and manual testing to verify the behaviour of the data structures under various scenarios and edge cases.

- ### Cache Simulator
  2022

  - Designed and developed a single- and multi-level cache simulator using the C programming language.
  - Implemented LRU replacement policy to ensure efficient access to data in the cache by evicting the least recently used block when the cache is full.
  - Analyzed cache hit/miss rates and average access time by varying cache configurations, such as cache size, associativity and block size, to evaluate the effectiveness of different cache setups.

- ### Personal Website
  2022

  - Designed and developed a personal website using HTML, CSS, and JavaScript to showcase professional skills and portfolio.
  - Implemented smooth scrolling and animations to enhance user engagement and navigation.
  - Utilized responsive design to ensure optimal viewing experience on multiple devices.
  - Used JavaScript to add dynamic elements, such as a contact form, to improve user engagement and interaction.

INTERESTS

- Snowboarding, Technology, Design, Tennis, Hiking