

ADINA TERMECHIKOVA

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OBJECTIVE

Seeking opportunities with a well-established employer where I can utilize my proficiency in various programming languages and solid understanding of core principles in computer science, including data structures and algorithms.

HIGHLIGHTS OF QUALIFICATION

- Solid understanding of core principles in computer science, including data structures and algorithms
- Strong data analysis skills with meticulous attention to details
- Strong interpersonal, technical and communication skills
- A quick learner and adaptable to new technologies and requirements
- Strong analytical and problem-solving skills with the ability to prioritize tasks to meet tight deadlines
- Proficient in APS.NET platform, Java, C#, PHP, and Python, JavaScript, HTML and CSS
- Strong team worker with a strong work ethic

TECHNICAL SKILLS

Languages:	Java, C#, JavaScript, PHP, Python, CSS, HTML
Databases:	SQL, MySQL, MongoDB, PostgreSQL
Methodologies:	Agile and Waterfall, SDLC, Extreme Programming, SCRUM
Operating System:	Windows, MacOS, and Linux
Tools:	GitHub
Version Control System:	Git
Frameworks:	ASP.NET, Spring Boot

EDUCATION

George Brown College, Toronto, ON

2021-present

Computer Programming & Analysis Advanced Diploma

Key Courses:

- Web application Developing Using Java – Microservices architecture
- Database Development
- Data Structure and Algorithms
- Full Stack Development
- DevOps
- Applied Data Science
- Web Application Development (C# ASP.NET)
- System Analysis, Design, and Testing

ACADEMIC PROJECTS

George Brown College

September 2023

SpringSocial Microservices-Based Social Media Platform

- Developed a microservices-based social media platform, *SpringSocial*, with core features: creating posts, commenting, and managing friend request
- Configured a comprehensive development environment, including Java, Gradle, Docker, Docker Desktop, MongoDB (containerized), and Spring Boot
- Adopted a microservices approach for platform design
- Implemented three core entities: User, Post, and Comment
- Designed RESTful endpoints for User, Post, and Comment entities operations
- Utilized MongoDB for flexible data storage, focusing on the Post entity
- Developed comprehensive integration tests for RESTful endpoints to ensure functionality
- Utilized Docker for containerization to enhance portability and cross-environment consistency
- Managed multi-container applications using Docker Compose for scalability
- Integrated TestContainers for real-time testing within Docker containers
- Introduced JPA(PostgreSQL) to manage User and Comment entities
- Established key entity relationships, allowing Users to have multiple Posts and Posts to feature multiple Comments
- Created a *Friendship Service* for efficient user relationship management
- Successfully collaborated with a partner to complete the project, highlighting strong technical skills and problem-solving abilities

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January 2023

Retail Employee Discount Calculator

- Developed a discount calculator program for a retail store using Python and PyCharm
- Implemented a user-friendly interface for employees to enter their discount number and make purchases, with discounts based on years worked and employee type (max \$200 discount)
- Designed an All-Employee Summary feature displaying total discounts and menu option to exit the program
- Completed project independently, showcasing programming and problem-solving skills for efficient and effective solutions for the retail store

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Employee Management System

October 2022

- Created an object-oriented solution for a company to track employees using classes and aggregation
- Technologies Used: C# (ASP.NET) language and Visual Studio 2020
- Developed two classes: Employee and Residence
- Built a menu-driven program for the user to access the system through the console
- Options: Add Employee, Generate Payroll, Find Employee Information, and Exit
- Completed as a team with each member contributing to the development and testing of the system

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August 2022

Personal Dictionary and Spellcheck Program

- Created a personal dictionary and spell check program using Java and IntelliJ IDEA
- Implemented two core classes, "WordInfo" and "Dictionary", to store and manage word data
- Developed various features, such as adding new words, deleting words, getting word meanings, and printing the dictionary
- Loaded a list of known words from a text file and stored them in an array of size 1500
- Displayed a user-friendly menu with six options for easy navigation
- Provided suggestions for misspelled words to enhance user experience
- Completed the project from start to finish independently

VOLUNTEER EXPERIENCE

User Tester

Decision Tree Tech | Toronto, ON

June 2023 - August 2023

- Volunteered to test and evaluate software applications as an end-user
- Thoroughly assessed applications for user-friendliness, functionality, and quality
- Identified and documented issues or areas of improvement in the applications
- Collaborated with the development team by assigning tickets to address identified issues, contributing to application enhancement

HOBBIES & INTERESTS

Crafting and Traveling