Enes Polat

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EDUCATION

Toronto Metropolitan University Toronto, Ontario

Bachelor of Science in Computer Science, Honours *Sep 2022- Apr 2025*

SKILLS

Languages: Java, Python, C/C++, PERL, Bash, JavaScript, HTML/CSS
Frameworks: React, Django
Developer Tools: Git, Visual Studio, Linux/UNIX, PyCharm, IntelliJ IDEA
Soft Skills: Teamwork, Communication, Attention to detail, Networking

SELECTED PROJECTS

Database Development for Shoppers Drug Mart / *SQL* Nov 2024
- Designed SQL tables for entities including Employees, Products, Customers, Transactions, Inventory, and Receipts
- Created advanced queries for data retrieval, including aggregations, joins, and subqueries, enabling insights into inventory levels, customer points, and sales
- Implemented functional dependencies to maintain database integrity, ensuring accurate relationships among POS system entities
- Developed functionalities for customer registration, product inventory management, order tracking, and payment processing

RSA Public-Key Encryption and Signature / *C, OpenSSL* Nov 2024
- Developed programs to derive RSA (Rivest–Shamir–Adleman) keys, encrypt/decrypt messages, and create/verify digital signatures with public-key cryptography
- Applied RSA principles to authenticate certificates and understand digital signature vulnerabilities with asymmetric encryption

Fly A Plane / *Python* May 2024
- Designed a 2D game in Python using pygame, incorporating features like infinite scrolling backgrounds, animated sprites, and real-time collision detection to enhance gameplay dynamics
- Utilized object-oriented programming (OOP) principles to create modular and reusable code for game components, including classes for Game, Plane, Obstacle, and Ground, facilitating maintainability and scalability
- Developed game mechanics and user interaction, such as score tracking, event handling, and sprite animation, ensuring smooth user experience

ChatGPT Survey / *Python* Sept 2023
- Developed data analysis and visualization scripts in Python, utilizing libraries like Pandas and Matplotlib to process and display survey results through various charts (e.g., bar graphs, pie charts)
- Implemented modular functions for reusable data visualization, ensuring efficient code with methods for vertical and horizontal bar graphs, pie charts, and customized label annotation
- Applied data management and user interaction practices, automating the analysis of CSV files and optimizing the presentation of insights for enhanced readability and decision-making

Audio App Simulator / *Java* April 2023
- Developed a multimedia library management system in Java utilizing object-oriented programming (OOP) principles such as inheritance, polymorphism, and encapsulation to ensure modularity and scalability for managing songs, podcasts, audiobooks, and playlists
- Built interactive user interfaces leveraging Java Swing for user experiences, facilitating audio content management and playback with a focus on user interaction and event handling
- Optimized system architecture and data structures using collections (ArrayList, HashMap) and interfaces, enhancing performance, maintainability, and overall functionality of the audio content library

EXPERIENCE

Starbucks Part-Time March 2023 – Nov 2024

Barista
- Collaborated with a multidisciplinary team, and managed time effectively and solved unexpected issues

Team Leader May 2019 – Aug 2021

TEMA Foundation
- Organized community engagement events, fostering an environment of adaptability among members for reforestation and the protection of natural habitats