Augusts Zilakovs

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https://term-az.github.io/Portfolio/

EDUCATION

Western University   London, ON
BESc, Software Engineering   Sept 2020 - Apr 2025

PROJECTS

Group Pay (https://github.com/Term-AZ/GroupPay)

- Developed a full stack application that keeps track of individual contributions to a group payment.
- Implemented user login, user authentication using session cookies, complete backend, mobile support, and a finished UI.
- **Utilized**: Python, FastAPI, Docker, JavaScript, HTML/CSS, React, MySQL

FB2 Book File Manager (https://github.com/Term-AZ/Book-Manager)

- Developed a book management software that reads, saves, organizes, manages, and edits fb2 files.
- Implemented user friendly UI, file editing and saving, file searching, image encoding and decoding, both zipped and unzipped folder reading, and batch file editing/saving.
- Implemented a list and tree view.
- **Utilized**: C#, SQLite

Forged Alliance Forever (Open-Source Contribution)
- Worked with a team of developers to complete PR's and implement numerous unit and game engine updates for the main yearly game patch.
- Increased game engines navigational mesh generation speed by 10%, reducing loading times for slower systems.
- **Technologies Used**: Lua

Jump King Pygame Remake (https://github.com/Term-AZ/PythonJumpKingRemake)
- Worked in a team of four to develop a remake of the game Jump King using Pygame as the game engine instead.
- Implemented gravity, vertical scrolling, character selection, level selection, and level loading from file.
- **Technologies Used**: Python, Pygame

Beehive Monitoring System
- Worked with a team to design and build a cheap and cost-efficient beehive monitoring system that measures temperature, weight, and humidity.
- Implemented an automated alert system which notifies beehive owners when any measurement is not within specific thresholds.
- **Technologies Used**: C, Arduino

EXPERIENCE

LSC   London, ON
Assistant Ski Coach   Jan 2023-Mar 2023
- Assisted main coach in instructing intermediate downhill skiers while ensuring that students follow the implemented safety guidelines.
- Assisted main coach in lesson planning and racetrack setup

GAO Tek   Toronto, ON
Tech Support Intern   May 2022-Aug 2022
- Led a team of six interns to write company product descriptions for the company website.
- Led weekly meetings and progress reports where intern work was reviewed and critiqued.
- Participated in a team to learn the Kotlin programming language for android application development.

Sobeys   Richmond Hill, ON
Deli Clerk   Sept 2020-Feb 2021
- Served, prepared, cooked, and managed both hot and cold foods.
- Worked in a team in a fast-paced customer service environment.

Languages: Proficiency in English, Russian (Speaking)
Technology and Coding Languages: Python, C, C#, Java, JavaScript, HTML/CSS, Docker, MySQL, SQLite, React, Git, Kotlin