Daniil Oliynyk

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Education

HBSc in Computer Science and Applied Statistics | University of Toronto
- Sept 2017-May 2021 (Anticipated)

Relevant Courses: Software Design, Software Tools and Systems Programming, Data Structures and Analysis, Computer Organization, Introduction to Software Engineering, Programming on the Web, Introduction to Databases, Operating Systems, Statistics with Applied Probability, Probability and Statistics I & II

Projects

Crypto Dashboard — Java, JavaFX, Scene Builder, Git

- Built a Java desktop app that would let you search your favourite crypto currency, view information and statistics.
- Utilized the Coin API to send HTTP requests when a user requested information, which would then be stored in a SQLite database and updated after each request.
- Used basic observer and observable design pattern and presented with a modern UI.

EXT2 File System — C, Bash, Git

- Explored the implementation of the ext2 filesystem and implemented file system commands to operate on a ext2-formatted virtual disk concurrently.
- The following Linux commands were implemented: mkdir, cp, rm, ln, ln -s.
- Added synchronization using mutexes to all the commands to ensure commands can run concurrently and Eliminate the possibility of race conditions.

MS Paint Clone — Java, JavaFX, Git

- A school project in which we created a clone of Microsoft paint.
- Utilized multiple design patterns such as strategy, command, observer, and factory to allow our code base to be modular.
- Group project which allowed us to use scrum methodology and become familiar with Git for version-control.

Work Experience

Team 2 Game Attendant | CEC Entertainment — 2014-PRESENT

- Responsible for the maintenance and upkeep of the games and the entire game room during my shift.
- Conducting general training for new employees and game room specific training.
- Alongside leadership and mentorship, I learned critical thinking and problem-solving skills to be able to provide temporary and permanent fixes for games directly on the spot, which prove to be crucial during busy hours.

Skills

Java, Python, JavaScript, C, React.JS, Node.js, R, SQL, PHP, JavaFX, Git, Bash, Unix Environment, Scrum.