ISLAMBEK MAMET

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Education

Nazarbayev University   Nur-Sultan, Kazakhstan
B.S. in Computer Science   2019-2023

• Data Structures   **GPA 3.78 / 4.00**

• Algorithms & Analysis

• Object Oriented Programming

Projects

File Explorer & Weekly Planner Application

- **Created** complex TODO list & File Explorer Application in Android Studio, which is written in **Java** language
- **Accomplished** data storage in local memory, and query that data from database using **SQLite**
- **Implemented** design and layouts of UI elements in **XML**

Visualized Pathfinding & Maze Generator Algorithms

- **Researched** structure of **A* Pathfinding Algorithm,** and created pathfinder function on basis of that in application
- **Explored** logic of **Prim's Algorithm & Recursive Backtracking,** and built randomized maze generator on basis of those *Algorithms*
- **Implemented** application to visualize performance of those **Algorithms** in action using Python module, **Pygame**

Ecommerce Flutter App

- **Created** design and structure of Ecommerce mobile application, which provides users services to buy and sell products online
- **Managed** in-app purchases within application using **Squareup** plugins for **Flutter** application
- **Integrated** with SQLite to store local information and manipulate that data across the application

Frontend ReactJS

- **Created** design for startup project of E-commerce website to buy products with special discount offers
- **Built** front page of website via **React** framework with main language **JavaScript/JSX**, and styled with **CSS**

Skills

Programming	C, C++, C#, Java, Python, JavaScript, HTLM5/CSS3, Dart
Tools	Git, Linux, Android Studio, ReactJS, React Native, Flutter
DBMS	SQLite, Firebase
Languages	English, Russian, Kazakh