

ISLAMBEK MAMET

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[basic-shadow](#)

Education

Nazarbayev University

B.S. in Computer Science

Nur-Sultan, Kazakhstan

2019-2023

- Data Structures
- Algorithms & Analysis
- Object Oriented Programming

GPA 3.78 / 4.00

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

Skills

Programming C, C++, C#, Java, Python, JavaScript, HTML5/CSS3, Dart

Tools Git, Linux, Android Studio, ReactJS, React Native, Flutter

DBMS SQLite, Firebase

Languages English, Russian, Kazakh

Awards

- **Acquired “Golden Medal”** for excellent grades of all subjects in high school