


DILNAZ AMANZHLOVA

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EDUCATION

Nazarbayev University • Nur-Sultan, Kazakhstan
Bachelor of Science • Computer Science

August 2019 – June 2023

- Relevant coursework: Performance and Data Structures, Programming for Scientists and Engineers
- Cumulative GPA: 3.63/4.0

PROFESSIONAL EXPERIENCE

Full Stack Web Developer Intern – KazAeroSpace
Astana, Kazakhstan

June 2020 – July 2020

- Developed a forum website on Laravel framework according to MVC model for users to authenticate, upload posts with like/dislike and commenting system for authorized users
- Made use of REST API on given data and displayed it on the page with implemented searching and filtering features

Software Engineering Virtual Internship – JPMorgan Chase
InsideSherpa.com

April 2020 – May 2020

- Interface with a stock price data feed and set up the system for analysis of the data
- Implement the Perspective open source code in preparation for data visualization
- Use Perspective to create the chart for the trader's dashboard

PROJECTS

School Act System Website/Android app

September 2018 – March 2019

HTML/CSS, PHP, JavaScript, AJAX, jQuery, Java, Android Studio

- Built website which keeps track of student offense cases' documentation in a school's online database server
- Implemented AJAX technology and jQuery for extracting the exact data and uploading several queries simultaneously to the school database
- Implemented a feature that generates PDF document, according to the filled data about the student and the type of the offense, to download and print if needed
- Developed mobile version on Android, using local Firebase Realtime Database to store the data, so that it can store data offline and upload to the online database when having the internet connection asynchronous

ZVOOK Android app

May 2018 – June 2018

Java, Android Studio

- Built an Android app using Java which helps people with hearing impairment to avoid dangerous situations, like a fire alarm or dog barking, by "hearing" the sounds and warning the person with the help of vibrations and flashlights
- Implemented complex mathematical transform which returns a frequency of sound instead of its sound function. The app listens for all sounds asynchronous and traces similar sound pattern as in dangerous situations
- Used Firebase Realtime Database to store the history of potential dangerous situation to test the system and improve further
- Became the finalist on Technovation, an international competition for girls aged under 18 to solve a social problem in their hometown, along with 20 teams from 100 teams around the country.

Maze Generator Website

July 2020

HTML, CSS, JavaScript

- Built a website using p5.js JavaScript library to create and demonstrate 3 maze generation algorithms
- Utilized graph-based methods - depth-first search with recursive backtracking - to create maze pattern based on the random tree traversal
- Implemented a modified randomized version of Prim's and Kruskal's algorithms for minimum spanning tree

SKILLS

- **Fluent with:** C/C++, PHP, JavaScript, HTML/CSS
- **Worked with:** Java, SQL, Laravel, Wordpress, Python, AJAX, React, Firebase
- **Soft:** team-player, good communicator, patient and lifelong learner

EXTRA CURRICULAR ACTIVITIES

- Languages: Kazakh(Native), Russian(Official), English(Proficient), Korean(Elementary)
- Member of ACM-Woman Student Chapter and Special Interest Group Manager
- Volleyball, swimming and reading fantasy books