

AIGERIM KARATAY

akaratay@akaratay.com

+974-33-714-914

PORTFOLIO: akaratay.com

EDUCATION

CARNEGIE MELLON UNIVERSITY

- BS in Information Systems
- Concentration: Computing & Technology
- GPA: 3.59 / 4.0
- University Honors
- Dean's List : Fall 2020, Spring 2021, Fall 2021, Fall 2022, Spring 2023
- Graduated in May 2023

RELATED COURSEWORK:

- Data Structures in Java
- Database Design & Development
- Application Design & Development
- NLP in Python: NLTK, Keras, NumPy, BeautifulSoup, Matplotlib, Seaborn
- Reasoning with Data in R
- Human Computer Interface, Adobe XD
- Marketing
- Principles of Imperative Computation

SKILLS

PROGRAMMING / WEB

- Ruby on Rails
- HTML / CSS / JavaScript
- Python
- R, Pandas, NumPy, Matplotlib, Seaborn
- PHP
- SQL | NoSQL (MongoDB)
- Java
- ReactJS
- C0

DESIGN METHODS & SOFTWARE

- Figma prototyping
- Adobe XD / Photoshop
- Data Visualization (Tableau)
- Wireframing (Balsamiq)
- Git / Linux
- Docker
- API (Swagger Docs/UI)
- Final Cut Pro / Adobe Premier Pro
- MySQL Workbench

LANGUAGES

- Trilingual fluency: English, Russian, Kazakh
- Intermediate fluency: French

PROFESSIONAL EXPERIENCE

TECHNICAL DEVELOPER | Sweat Review London, UK

Interned as a front-end web developer – using ReactJS, HTML/CSS, JS for building a web application. Have built an article keyword extraction tool for the application using NLP libraries (YAKE, Pandas, spaCy, NLTK).

CONSULTANT | Qatar Computing Research Institute

Co-developed a web application for Qatar Computing Research Institute that is an online quizzing system used in technical interviews for the prospective employees. Developed an admin dashboard with all CRUD operations and the user page. Handled client meetings. Implementation - MVC model on PHP, a Docker container and MySQL.

COURSE ASSISTANT | Carnegie Mellon University in Qatar

Course Assistant for the following courses at CMU-Q: Introduction to Data Structures in Java, Database Design and Development, Information Systems Consulting Project, Elementary French.

PROJECTS

NLP | DATA SCIENCE PROJECTS

Co-developed an abstractive text summarization tool, hand-sign and handwritten text recognition algorithms on Python using Deep Neural Networks and Seq2Seq models. Made research on depression detection in social media.

WEB APPLICATION DEVELOPMENT PROJECT

Implemented a web application for interactive student quizzing as a course project. Used Ruby on Rails, Git, GitHub, SQLite, HTML, CSS, and JavaScript. Developed an API for the application.

DATABASE COURSE PROJECT

Co-created an online interactive ticketing system for FIFA 2022 as a course project. Developed an authorization and booking systems and purchase tracking, as well as an Admin panel with all CRUD operations on matches, users, and purchases. Used HTML, CSS, JavaScript, PHP, and SQL for the implementation.

ARTIFICIAL INTELLIGENCE DEVELOPMENT

Built an Artificial Intelligence Assistant with a speech recognition algorithm as the course project. Used Python, Wolfram Alpha API, and other related libraries.

CLUBS

HEAD OF MEDIA | Muslim Student Association Club @CMUQ

Directed and incorporated the event poster designs, photography, videography, and management of social media platforms such as Instagram.

LEAD DESIGNER | TEDx CMU-Q Club

Produced club's identity, logo, event posters and merchandise design. Used Adobe Photoshop.

PRESIDENT | Gourmet Exploration Club

Administered the club values and planned the events. Coordinated the cooking competition held on Zoom. Delivered the graphic design projects for the club.