

# SYMBAT BEKZHIGIT

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## EDUCATION

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**New York University Abu Dhabi**

Aug 2021 - Jun 2025 (expected)

B.S. in Computer Science, minors in Applied Mathematics, Interactive Media

Abu Dhabi, UAE

Cumulative GPA: **3.86/4.00**

**Relevant Coursework:** Linear Algebra, Data Structures, Algorithms, Computer Systems Organization, Discrete Mathematics, Multivariable Calculus, Software Art, Introduction to Interactive Media

## PROJECTS

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**Air Hockey Online Game** [GitHub](#)

- Created a computer modification of the two-player Air Hockey game using **Python**
- Used **Processing 3** for embedding a **Graphical User Interface** and integrated **minim** library for sound effects

**Parking Lot Payment System** [GitHub](#)

- Designed a database on **PostgreSQL** for the efficient and easy data manipulation of the parking lot system

**Contact Management System** [GitHub](#)

- Developed an application to store one's personal contacts using **C++** and integrated a **command-line interface**

## AWARDS AND ACHIEVEMENTS

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**Cybersecurity Games and Conference (CSAW'22)**

Nov 2022

*Programming Language/Tools: Python, Git*

Abu Dhabi, UAE

- Qualified as a **finalist** team for the "Hack My Robot" competition among the MENA region
- Decrypted a Wi-Fi password of a specific wireless network by performing **DoS attack** on the **TurtleBot3** operating on **Raspberry Pi3**
- Identified IP addresses of the devices connected to the same network through **Address Resolution Protocol**

**Kazakhstan Robotics Challenge (KRC)**

Mar 2019

*Programming Language: Python*

Nur-Sultan, Kazakhstan

- Achieved **2nd place** in the category "Coding Hackathon for Girls" out of **50 selected** (**100+** applied)
- **Created** an application for note-taking and project management with a sign-up page using a **Tkinter** library

## LEADERSHIP AND COMMUNITY INVOLVEMENT

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**Co-President, Web Team Lead** [GitHub](#)

Aug 2022 - present

*HackAD, Computer Science focused Student Interest Group at NYUAD*

Abu Dhabi, UAE

- Redesigned the website and updated its functionalities using **HTML5**, **CSS3**, **JavaScript** and **Bootstrap 5**
- **Initiated 7+** networking events and tech programs across campus (HackAD Hackathon, LeetCode workshop, Faculty/Internship Talks) with **300+** participants

**IEEE Member**

Oct 2022 - present

*Institute of Electrical and Electronics Engineers*

Abu Dhabi, UAE

- Participated in IEEEExtreme 16.0 Programming Competition that hosted **14,600+** participants, ranked **942/6373**

## SKILLS

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**Programming Languages**

Python (NumPy, Matplotlib), C++, C, HTML5, CSS3, JavaScript, SQL

**Tools**

Git, PostgreSQL, Processing 3, p5.js, OpenFrameworks, Raspberry Pi3

**Languages**

English (Fluent), Russian (Fluent), Kazakh (Native),

Turkish (Intermediate), Korean (Intermediate), Arabic (Elementary)