ALMAT ZHEZBAYEV

Hong Kong

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Education

Hong Kong University of Science and Technology   Sep. 2022 – May 2026
Bachelor of Science in Mathematics

Relevant Coursework

- Calculus IA
- Calculus II
- Intro to Computing with Java
- Linear Algebra
- Multivariable Calculus
- Programming with C++

Experience

STEMex LTD   May 2023 – November 2023
Instructor

- Taught basic programming concepts using Java and Python to students as a STEM instructor, providing both online and offline lessons.

WeMakeApp LTD   December 2023 – January 2024
Software Developer

- Used Git version control system, to collaborate and manage code repositories for team projects. Cloned repositories, committed pushed and pulled changes.
- Developed a website application for dating app from scratch. Mainly using react, typescript and tailwind for front-end, and Next.js for back-end
- Implemented interactive UI design such as language switch button, sliding navigation bar, user review carousel, and more using shadcn/ui
- Translated all pages of the website to English and Cantonese using next-intl library
- Implemented responsive design that fits mobile and desktop devices, through tailwind breakpoints.

Projects

Personal WebSite | *HTML, CSS, JS, GitHub pages*   November 2023

- Hosted free online WebSite using GitHub pages.
- Made the skeleton of the home, about, and project pages using HTML.
- Styled buttons for navigation, contents of the home, about, and project pages using CSS.
- Created interactive and dynamic projects using JS.

Snake game | *JavaScript*   November 2023

- Implemented game logic and mechanics, including snake movement, food generation, and collision detection.
- Utilized JavaScript's event handling and DOM manipulation to capture input and update the game state in real-time.
- Developed features such as score tracking, level progression, and game over screen.

Recursive L-Shape Square Filling | *C++, recursion*   November 2023

- Implemented the Recursive L-Shape Square Filling algorithm in C++, where the program fills 2x2, 4x4, or 8x8 grids with L-shaped blocks, leaving one square empty at the specified coordinates
- Utilized error handling and input validation to handle invalid user inputs and optimized debugging process

Password manager | *React, Node.js, MySQL*   February 2024

- Developed a password manager web application using React for the front-end
- Utilized MySQL as the database to store encrypted passwords securely
- Implemented the back-end using Node.js and Express framework to handle API requests
- Integrated the cryptoJS library to encrypt and decrypt user passwords, ensuring data security

Honors/Achievements

IBO team member	Fall 2018 - Spring 2021
IBO 2024 author	Fall 2023
HKUST admission scholarship	December 2021
ADA Lovelace Hackathon top 3 finalist	November 2021

Technical Skills

Languages: Python, Java, HTML, CSS, JavaScript, TypeScript
Developer Tools: VS Code, GitHub, Git, Figma
Technologies/Frameworks: React, tailwindcss, Next.js, Node.js, Slack, Linear