Alim Kassymov

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EDUCATION
BACHELOR OF SCIENCES, MAJOR IN COMPUTER SCIENCE, MINOR IN MUSIC TECHNOLOGY
CURRENT GPA: 3.4
STEVENS INSTITUTE OF TECHNOLOGY   EXPECTED GRAD. 2024

- **Computer Science Coursework**: Data Structures, Algorithms, Computer Architecture & Organization, Systems Programming, Principles of Programming Languages, Discrete Structures, Database Management Systems, Web Programming, Software Development Process, Human-Computer Interaction
- **Math Coursework**: Intermediate Statistics, Linear Algebra, Differential Equations, Discrete Mathematics for Logic and Cryptography, Integral Calculus, Multivariable Calculus

SKILLS
- **Languages:** JavaScript, Python, C++, HTML, CSS, C, Java, R / RStudio, Bash, gdb, SQL, C#
- **Technologies/Tools**: Linux, Git, Node.js, Express, React, MongoDB, three.js, Tailwind, pandas, NumPy, JUnit, LaTeX, Markdown, Arc, Notion, Figma

WORK EXPERIENCE
STEVENS INSTITUTE OF TECHNOLOGY - INTERMEDIATE STATISTICS COURSE ASSISTANT   CURRENT

- Provide personalized support to students in statistics concepts and RStudio functions, resulting in improved exam scores and overall course success
- Organize comprehensive study notes using Markdown & LaTeX, which have been adopted by the course instructor as an official resource for future students
- Conduct exam review sessions to reinforce key concepts and prepare students for assessments

SKILLMATRIX ALMATY - INDIVIDUAL / GROUP TUTOR   MAY 2022 - SEPT 2022

- Delivered SAT English and Pre-Calculus Mathematics lessons to high school students, resulting in significant improvement in their grades and overall academic performance
- Collaborated with students' parents and provided regular progress reports to ensure their continued support and involvement in their children's education

PROJECTS
FULL STACK WEB DEVELOPMENT - DAILY NASA IMAGE VIEWER   MARCH 2023

- Developed a React SPA that fetches data from NASA and displays a new image every day
- Implemented user authentication using MongoDB, ExpressJS, and NodeJS, allowing users to sign up and log in to view daily images
- Deployed the application using Vercel, Heroku and Mongo Atlas demonstrating proficiency in modern deployment tools and practices

FRONT END WEB DEVELOPMENT - HTML / CSS + JAVASCRIPT   PRESENT

- Developed a personal multi-page portfolio using JavaScript, demonstrating a passion for learning and ability to work independently
- Built a responsive banking web application using React, Node.js, and Tailwind CSS, demonstrating proficiency with modern web development tools and frameworks
- Built a designer portfolio website template and a contruction company website template using Figma, HTML, and CSS, showcasing strong skills in web design and front-end development

ARM CPU SIMULATION - LOGISIM EVOLUTION   NOVEMBER 2022

- Developed a fully working ARM CPU using Logisim Evolution, incorporating several basic instructions
- Designed and implemented Python scripts to generate instruction memory and data memory images, streamlining the simulation process
- Created additional features, such as running instruction LEDs and 32 instruction registers, demonstrating my ability to innovate and enhance existing systems

OTHER RELEVANT WORK

- Developed a Genius data scraping script that collects all lyrics of a chosen artist in a given file
- Designed and deployed a multi-functional Python Discord bot based on a famous music artist

LANGUAGES
Fluent in English, Russian and Kazakh. Basic knowledge in Czech & Spanish.