Alim Kassymov

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EDUCATION

Stevens Institute of Technology   Graduated May 2024
Bachelor of Science in Computer Science, Minor in Music Technology   *Cumulative GPA: 3.6, Dean's List*

Relevant Coursework: Data Structures, Algorithms, Web Programming I & II, Computer Architecture, Database Management Systems, Linear Algebra, Data Mining, Principles of Programming Languages, Concurrent Programming, Agile Software Development, Software Development Process.

SKILLS

Programming Languages: JavaScript, Python, Typescript, Java, Svelte, SwiftUI, C++, C#, OCaml, R
Web Development: React, Node.js, Express, Next.js, Tailwind CSS, Flask, GraphQL, HTML/CSS, jQuery, Bootstrap
Tools and Technologies: Firebase, AWS, MongoDB, Docker, Git, bash/perl scripting, Figma, Kubernetes
Data Analysis: R, SQL (PostgreSQL, MySQL), pandas, numpy, PowerBI, Tableau, Excel

EXPERIENCE

PineMelon, Data Engineering Intern | *Denver, CO*   Summer 2023
- Developed an Instagram Data Scraper with Python and Selenium, capturing key metrics and analyzing over 7,000 posts' likes and comments to derive trends and insights for market strategy development and competitor analysis.
- Utilized Python and GeoJSON to develop interactive neighborhood maps of Denver, integrating data from over 50 socio-economic indicators and precise grocery store locations to assist in market segmentation and targeting.
- Automated the collection and analysis process of Denver market data, reducing the data processing time by 40%, enabling the team to make timely, data-driven decisions for marketing campaigns and future product development.

Web Programming Teaching Assistant | *Stevens Institute of Technology*   2023 – 2024
- Developed and refined a series of challenging homework problems that align with course objectives and enhance student understanding of web programming concepts such as JavaScript, Node.js, Express, and MongoDB.
- Conducted weekly office hours, providing personalized assistance to an average of 20 students per session, leading to noticeable improvements in student performance and final project grades.

Intermediate Statistics Course Assistant | *Stevens Institute of Technology*   2023 – 2024
- Provided academic support to over 60 students, significantly enhancing their understanding of complex statistical concepts and the functionalities of RStudio, which resulted in a 25% improvement in average exam scores.
- Curated and compiled extensive study notes in Markdown and LaTeX, which were officially adopted by the course instructor as essential supplementary course material, benefiting over 100 students every semester.

PROJECTS

Codagotchi: Virtual Coding Companion | *TypeScript, Svelte, Firebase, Node.js, VS Code API*   June 2024
- Developed a robust VS Code extension that simulates a virtual pet, evolving based on the user's coding activities, offering a fun and engaging method to track and enhance productivity and coding habits.
- Implemented the front-end using the Svelte framework for efficient and reactive UI updates, reducing load times by 30% and significantly improving response efficiency within this highly interactive environment.
- Leveraged the Firebase Realtime Database for comprehensive backend services, achieving seamless real-time data synchronization, effectively managing complex user authentication flows, user sessions, and storing pet states.

DAIA: Diabetes Alert & Insulin Assistant | *React, Node.js, Express, MongoDB*   March 2024
- Developed a real-time monitoring system interfacing with the Dexcom API to track and display blood sugar levels every 5 minutes with 99% uptime, significantly improving patient management and emergency response times.
- Engineered a full-stack application with React for the frontend, ensuring a responsive and accessible user interface, and Node.js/Express for the backend to handle API integration and user data processing.
- Designed an advanced Twilio emergency alert system that notifies designated contacts based on user-defined safety thresholds, substantially enhancing safety for diabetes patients.

Swoons: A Dating Platform | *React, Express, MongoDB, AWS, Firebase*   December 2023
- Led a team of developers in creating a dynamic web application for sharing and exploring unique date ideas.
- Implemented a user-friendly interface using React and Tailwind CSS, enhancing the user experience.
- Integrated MongoDB and Firebase for robust data storage and AWS for scalable cloud infrastructure.