Alimzhan Sultanov

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Education

Purdue University, Computer Science BS. GPA: 4.00   **Expected Graduation: May 2026**
Courses: Java Object Oriented Programming · Discrete Math · C programming · Linear algebra

Skills

Programming	Java · Python · JavaScript · C · C++
Web & Database	HTML · CSS · TailwindCSS · BootStrap · sqlite3 · PostgreSQL · MySQL · MongoDB
Frameworks	BeautifulSoup4 · MatPlotLib · numpy · Django · ReactJS · NodeJS · ExpressJS · ThreeJS
Language	English · Russian · Kazakh

Projects

AI-Image generating website (Fullstack)   Feb 2023 - March 2023
Personal Project
- Developed a website that allows to generate and share images using **OpenAI API**
- Provided working **RESTful API** that handles users' requests using **ExpressJS/NodeJS**
- FrontEnd was made using **ReactJS**, **TailwindCSS**, and **HTML/CSS**
- Data is saved in **MongoDB** and images in **Cloudinary**

Testify website (Fullstack)   Jan 2022
BoilerMakeX hackathon project
- Reddit but for preparing for exams, where any student is able to upload PDFs with questions
- Developed script that automatically parses questions from PDFs using **NodeJS**
- Used **MySQL** to save questions written by students
- Designed frontend using **ReactJS & Figma**

Scribble website (Fullstack)   Sep 2022
HelloWorld 2022 hackathon project
- Developed login page that saved user's credentials to **MySQL** database using **NodeJS**
- Create a home page with NavBar and animations using **ReactJS**
- Allowed users to view pdf-files without downloading them using **iframe**
- Designed the logo and other graphics using **Photoshop**

Math Research Project   May 2022 - Jun 2022
- Using **Python/MatPlotLib** calculated and visualized the inner tangents between each circle and estimated their intersection with the OY axis
- Come up with an algorithm that estimated amount of times intervals on OY overlapped and visualized it as a graph using **MatPlotLib**

Experience

High School Teaching Assistant   Nov 2020 - May 2022
- Organized lessons **free of charge** for under classmates struggling with the material
- Taught **AP Computer Science A**, Calculus BC, Physics C: Mechanics, Physics C: ElectroMagnetism
- **90%** reported improving their course grades after visiting my lessons for 2 months
- **Organized boot camps** during breaks and holidays month before the exam to consolidate their knowledge

Leadership & Interests

Leadership	led YouTube channel that promoted my Mentorship club at school	Sep 2021 - May 2022