DANIEL XU

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FULL STACK DEVELOPER

Proactive and results-driven Full Stack Developer with hands-on experience in building dynamic and responsive web applications using React.js, Next.js, and Node.js. Passionate about creating intuitive user interfaces and leveraging back-end technologies to deliver seamless digital experiences. Proven leader in team environments, successfully leading development for hackathon websites and community projects. Attended 8 hackathons, consistently delivering innovative projects under pressure.

Experiences

Hackathon Web-Dev Lead & Logistics Coordinator
RecessHacks & IncubatorHacks, April 24 - Present
- Led the web-development team for RecessHacks: designed, built, and maintained the event website (registration portal, schedules, sponsor pages).
- Coordinated logistics (venue, equipment, onsite setup) for the second hackathon: created project timeline, managed vendors, and ensured all deadlines were met.
- Secured sponsorships by researching potential partners, drafting tailored proposals, and negotiating in-kind and monetary support (e.g., software licenses, T-shirts).
- Collaborated with marketing volunteers to promote both hackathons through social media, email blasts, and campus posters

Executive Executive & Web Developer
East Asian Student Association (EASA), Abbey Park High School, September 7 - Present
- Designed and launched the EASA website to centralize event info, membership sign-ups, and photo galleries - improving online engagement
- Initiated and led outreach to Gotcha Bubble Tea, securing a sponsorship for our annual cultural festival (covering beverage costs for 100+ attendees)
- Coordinated with fellow executives to set event budgets, assign volunteer roles, and manage vendor contracts
- Organized one of the largest events in school: Lunar New Year, with more than 200 participants and more than 4 hours of fun and exciting performances

Founder & President
Data Science and AI Club, Abbey Park High School, February 6 - Present
- Established and currently lead a student-run club focused on teaching and leading a new generation of AI developers
- Developed and executed marketing strategy: created posters, social-media campaigns, and email newsletters that grew membership from 0 to 34 within one semester

Skills

Programming Languages: Python, Ruby, Java, C++, Javascript and Typescript, SQL
Web Technologies: VueJS, ReactJS, NextJS, REST API, Full MERN Stack
Databases: MySQL, MongoDB, Supabase
Cloud: AWS
ML/AI Frameworks: PyTorch, TensorFlow
GenAI & LLMs: GPT-4, BERT, Mistral, LLaMA, Gemini

Projects

AI Skin Cancer Detector (SkinScope AI)
Best UI/UX Award, Hack The Ridge 2024
- Developed and trained a convolutional neural network to classify skin lesion images, identifying cancer type and stage with high accuracy
- Engineered a full-stack application that provided users with analysis, treatment information, and a map of nearby medical facilities via API integration
- Designed the award-winning user interface focusing on clarity, empathy, and accessibility for a sensitive health topic, all within a 48-hour hackathon
- **Tech Stack:** *Python, TensorFlow, Flask, React, Google Maps API, FastAPI*

AI Infographic Generator (Sudore AI)
5th Place Winner, Recess Hacks 4.0
- Architected a full-stack web application that leverages generative AI (OpenAI API) to instantly produce content for data-driven infographics
- Built a dynamic, React-based editor allowing users to drag, drop, and edit generated elements, creating a submission-ready visual in minutes
- Pitched the concept and a live demo to a panel of judges, securing a top-5 finish among 190+ competing participants
- **Tech Stack:** *React, Node.js, Express, OpenAI API, Vercel*

Visual Neural Network Builder
JamHacks
- Engineered an educational web platform where users can construct, train, and test neural networks using a drag-and-drop, block-based interface
- Developed a JavaScript front-end for visual model construction and a Python backend to handle real-time model training and performance visualization
- This project demonstrates a deep, fundamental understanding of machine learning principles and a passion for making complex topics accessible
- **Tech Stack:** *ReactJs, NextJs, Python, Flask, TensorFlow.js*

Discord Community & API Integrations
- Created multiple Discord.js bots for automated role management, event notifications, and user engagement
- Developed custom web applications that integrate with the Discord API for seamless cross-platform interactions
- **Tech Stack:** *Node.js, Discord.js, REST APIs*