

Daniel Kim

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TECHNICAL SKILLS

Languages: C/C++, Bash, Python, SQL, HTML/CSS, JavaScript, R, DrRacket

Frameworks/Libraries: Angular, React, Node.js, NoSQL, MySQL, scikit-learn, pandas, matplotlib, XGBoost

Developer Tools: Git, Linux Shell, GitHub, VS Code, Azure DevOps

Office Tools: MS Word, MS Excel, MS Teams

EXPERIENCE

AI Project Developer – Healthcare Chatbot

June 2024 – August 2024

Waterloo Experience Accelerate

Waterloo, ON

- Designed an end-to-end AI-powered healthcare chatbot pipeline using Azure DevOps
- Collaborated with a team of five under a team lead to develop the project pipeline
- Participated in weekly meetings via MS Teams to align team efforts and discuss progress
- Documented weekly reports in MS Word, outlining milestones, challenges, and next steps

AI Trainer – Mathematics Focus

Sep. 2024 – Present

Data Annotation Tech

Remote

- Applied planning and organizational skills to collect and organize mathematical data to create datasets
- Verified accuracy and relevance of data for developing AI training datasets
- Annotated equations and word problems to enhance machine learning model accuracy.
- Evaluated AI-generated solutions for mathematical correctness

PROJECTS

Spaceship Titanic | *Python, scikit-learn, pandas, matplotlib, XGBoost*

Apr. 2025

- Developed a machine learning model to predict passenger transport status using structured data
- Cleaned and preprocessed data, including feature engineering and handling missing values
- Explored data relationships through visualizations to inform modeling decisions

Portfolio Website | *React.js, Next.js, Tailwind CSS*

Apr. 2025

- Built a responsive portfolio website with Next.js, focusing on modern UI/UX design
- Optimized site performance and SEO with Next.js server-side rendering and static generation
- Deployed the website on Vercel with automated CI/CD workflows and custom domain setup
- Styled the application efficiently using Tailwind CSS for a clean, consistent design

Biquadris | *C/C++*

Nov. 2024 – Dec. 2024

- Developed a 2P variation of Tetris using OOP and design patterns in a 3 person team
- Applied Factory, Observer, and Decorator patterns for dynamic gameplay
- Debugged and maintained code, demonstrating strong troubleshooting skills in a command-line environment
- Demonstrated strong problem-solving skills in optimizing game logic and mechanics
- Utilized Git for version control, ensuring smooth team collaboration and code integrity

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Mathematics in Computational Mathematics

Sep. 2023 – Apr. 2028

CERTIFICATIONS

AZ-900- Microsoft Azure Fundamentals

AI-900- Azure AI Fundamentals