Jun He Cui

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TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML, CSS, R
Technologies: MongoDB, SQLite, Express.js, Node.js, React.js, TensorFlow, Firebase, Git, Flask

EXPERIENCE

Software Developer   Feb 2024 – Present
PreMedTalk   *Remote*
- Development and upkeep of a full-stack web application showcasing individual journalism
- Utilizing a tech stack comprising HTML, CSS, JavaScript, Express.js, and MongoDB to craft a flexible and personalized blog page
- Implemented an admin login page with integrated middleware for seamless post editing
- Collaborated with administrators to align website's design with overarching objectives

Private Tutor   May 2023 – Present
Freelance   *Vancouver, BC*
- Teaching French and Pre-Calculus to high school students
- Effectively communicated complex concepts, creating an engaging learning environment
- Tailored lesson plans to individual learning styles, resulting in improved understanding and performance

IT Support Specialist   Jun 2019 – Aug 2022
Print Images   *Vancouver, BC*
- Provided experienced Adobe Photoshop support for customers
- Assisted customers with printing, copying, passport photos and fax services, resolving issues professionally
- Collaborated with the manager to organize files and folders, optimizing printing times

PROJECTS

Vita | *TypeScript, React Native, Firebase, Python, TensorFlow*   **GitHub | DevPost**
- Monitor application to detect patient heart attacks with MappedIn SDK to find shortest path to patient
- Implemented Cloud Firestore for real-time patient tracking and ECG monitoring
- Sorted and filtered over 20,000 ECG graphs to train a TensorFlow model with 93% accuracy CNN

AviHavoc | *JavaScript, React, Firebase, Python, Flask*   **GitHub | DevPost**
- Flight information application that calls FlightRadarAPI to display 1500+ live planes on a three.js globe and an emissions leaderboard
- Stored flight data on Cloud Firestore for real-time flight tracking and emissions calculations
- Hosted on a Flask server that makes FlightRadarAPI calls and posts them to the database

EDUCATION

The University of British Columbia   Vancouver, BC
Bachelor of Science   *Sept 2023 – Ongoing*
- 4.0 GPA
- Relevant Coursework: Discrete Math, Unit Testing, Matrix Algebra, Software Construction

Port Moody Secondary School   Port Moody, BC
International Baccalaureate   *Sept 2019 – May 2023*
- Courses: Mathematics Analysis and Approaches HL, Physics HL, Chemistry SL, English A: Literature, History HL, French B SL