Kevin Kang

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SKILLS

Languages: Java, Python, C#, C/C++, JavaScript/TypeScript, SQL, HTML/CSS, GraphQL, Bash, Racket

Frameworks: React.js, Node.js, Next.js, Tailwind CSS, Angular, Java Spring, Java Swing, TensorFlow, Three.js

Tools: Git, GitHub, Selenium, Cypress, AWS, DynamoDB, MongoDB, Auth0, Figma, Blender, Jira, Scrum, Blockchain, Web3

WORK EXPERIENCE

Software Developer, Team Leader @ ECSSEN Career School (Return Offer)   Jun 2023 – Aug 2023
- Employed full-time to build a platform that allows organizations to post volunteer opportunities and volunteers to apply
- Utilized **Figma** to design the **UI/UX** and website flows of numerous webpages to improve user experience
- **Led a team of 8 developer interns**, monitoring progress, leading meetings, and reviewing GitHub pull requests
- Exceeded job requirements and successfully completed project used regularly by **1000+** volunteers across Calgary

Software Developer @ ECSSEN Career School   Jun 2022 – Aug 2022
- Full-time developer for Government of Canada sponsored project to build a **volunteer management system** using blockchain technology
- Built full-stack website that allows volunteers to record volunteer hours using **Next.js**, **Tailwind**, and **GraphQL**
- Leveraged the **Lens Protocol** to manage and update volunteers' hour log sheets with **smart-contracts** in the **Web3** ecosystem
- Created **GraphQL schemas** and **mutations** to upload and fetch user metadata

PROJECTS

AI-Powered Gradebook | *GitHub*   Jan 2024 – Jan 2024
- Built a React website that allows teachers to track and visualize student test performance in different subjects
- Leveraged **Cohere API** integration to perform **AI-driven data analysis** on student grades to identify each student's strengths and weaknesses, allowing for the automatic generation of personalized worksheets
- Utilized **Auth0** for identity management and implemented the Kintone **NoSQL database** to efficiently store user data

Personal Portfolio | *GitHub*   Jul 2023 – Jan 2024
- Utilized **Next.js** and **Tailwind CSS** to develop a personal portfolio statically hosted by GitHub Pages
- Used **Spotify API** and fetching **POST** requests with **Axios** to build a Spotify widget that displays the currently playing song

Sudoku Solver | *GitHub*   Nov 2022 – Dec 2022
- Developed a Sudoku solver in **Java** using a combination of four logic algorithms for efficient puzzle solving
- Implemented a guessing algorithm with **backtracking** to handle advanced puzzles, solving all master level puzzles from sudoku.com with **100% accuracy**

AWARDS & ACHIEVEMENTS

Founder and President of School Computer Science Club: Taught weekly C++ **data structures & algorithms** lessons to a group of 30 students and prepared coding competitions with **2000+ submissions**

Work Experience Award (2022, 2023): The only one out of 2,200 students in Western Canada High School to receive the work experience award in recognition of my work as **teacher's assistant in robotics lab**

Math Contests: Top 1% in Cayley, Galois, Fermat national math contests. Consistently ranking top 3 in Alberta

Computer Science Contests: Honour Roll Group 4, **top 5% nationally** in Canadian Computing Competition Senior 2022, 2023, **1st place** in Alberta Collegiate Programming Contest 2021 and Calgary Collegiate Programming Contest 2022

EDUCATION

University of Waterloo   Sep 2023 – Apr 2028
Bachelor of Computer Science (Honours, Co-op)
- **Cumulative GPA 92.6%** with all advanced level Math and CS courses and received **term distinction**
- 1 of 10 recipients of **René Descartes National Scholarship ($25,000)** for outstanding involvement in computer science