Kevin Kang

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Skills

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

Frameworks: React.js, Node.js, Next.js, Tailwind CSS, TensorFlow, OAuth

Tools: Git, GitHub, AWS, DynamoDB, Figma, Blender, Jira, Scrum, Agile Development, LaTeX, 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 with the intent 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 to be 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 decentralized and transparent **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

Personal Portfolio | *GitHub*   Jul 2023 – Jan 2024
- Utilized **Next.js** and **Tailwind CSS** to develop a full-stack website statically hosted by GitHub Pages
- Used **Spotify API** and fetching **POST** requests with **Axios** React library to implement a Spotify widget that displays the currently playing song
- Leveraged **Blender** and the **Three.js** React library to develop an interactive 3D model of the Davis Center Library at the University of Waterloo

Dayly | *GitHub*   Dec 2023 – Present
- A **React** web application with minimalist design that combines calendar, to-do, and weather forecast into one
- Leveraged **AWS Amplify** for user authentication and utilized **AWS DynamoDB** with **GraphQL** for storing user metadata

Spread of a Pandemic Simulation | *GitHub*   May 2022 – Jun 2022
- Utilized **Java** and **Java Swing** to develop a **GUI** that allows users to draw airport connections between countries
- Models the spread of a pandemic based on airport connections based on several **statistical** and **probability models**

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+ total 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 rank top 3 in Alberta

Computer Science Contests: Canadian Computing Competition Senior 2022, 2023 (Honour Roll Group 4, **Top 5% nationally**), **first 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)
- **CAV 92.6%** with all advanced level Math and CS courses
- Recipient of **René Descartes National Scholarship** ($25,000) for outstanding involvement in computer science