Jan Garong

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Portfolio: https://jangarong.github.io/

GitHub: https://github.com/jangarong

Skills

- **Concepts:** Data Structures, Algorithms, Software Design, Design Patterns, SOLID, Agile, Full Stack Development, CI/CD, Unit Testing, End to End Testing, Version Control.
- **Languages:** JavaScript, TypeScript, C#, Java, Python, Solidity, HTML, CSS, SQL.
- **Technologies:** Amazon Web Services, Lambda Functions, DynamoDB, Simple Queue Service, Google Cloud Platform, Firebase, React.js, Angular.js, Nest.js, Next.js, Unity, Jest, Chai, JUnit, SQLite, Ethereum, Docker, JIRA, git.

Education

- **University of Toronto** — Toronto, ON

  Honours Bachelor of Science — *September 2019 – Current*

  - Majored in the Computer Science Specialist - Software Engineering stream.
  - Received a $2000 entrance scholarship and was part of the Dean's List.
  - Took several theoretical Computer Science courses in Algorithms and Data Structures, as well as many Software Design and Information Security courses.

Experience

- **Blackberry** — Mississauga, ON

  Software Developer Student — *September 2023 – Current*

  - Worked on CylanceGUARD, which is an AI-driven Managed Detection and Response (MDR) solution used to detect exploits on the client's devices.
  - Implemented a REST API via Amazon Web Service (AWS) Lambda to create functions that are ran without worrying about infrastructure or scalability, and DynamoDB as a NoSQL database for the backend.
  - Utilized the AWS Simple Queue Service for storing messages between cloud functions in case of shutdowns.
  - Aided with implementing fixes to the security dashboard built in both Angular.js and ServiceNow.
  - Experienced Agile processes with sprint meetings and standups, as well as project management and ticketing through Jira.

- **University of Toronto** — Toronto, ON

  Research Intern — *May 2022 – August 2022*

  - Worked on a web application that uses artificial intelligence to group students in collaborative courses.
  - Assisted in creating REST API endpoints and UI components for a web application using Flask, Google Firebase, and React.js.
  - Integrated an artificial intelligence model written in Python for forming groups based on personal student data.
  - Used Docker for easy deployment, independent of the server environment.

- **CertiK** — New York, NY

  Software Engineering Intern — *May 2022 – August 2022*

  - Worked as a full-stack developer on Skynet, a platform that generates statistics related to the trustworthiness of blockchain projects, and Bug Bounty, a platform that rewards white-hat hackers for finding bugs in smart contracts.
  - Wrote React.js code for developing the frontend which is based on Figma designs, and Vercel for full stack automated deployment.
  - Aided with optimizing server side rendering with Next.js, while using Google Lighthouse to measure UI metrics such as performance and accessibility.
  - Built microservices with JavaScript, AWS Serverless and Nomad for ease of scalability.

Projects

- **ZodiacTail** — *July 2023 – September 2023*
  - Designed and developed the core gameplay segments, as well as helped with fixing bugs in the UI and game itself.
  - Used design patterns and object oriented principles in C# such as inheritance, observer, factory, polymorphism, SOLID and MVC to write clean and reusable code.
  - Used the Agile process and organized scrum meetings to keep track of progress.

- **Using Headlines to Predict Stocks** — *October 2018 – January 2019*
  - Analyzed news headlines data to develop a program that predicts stock movements.
  - Used pandas and matplotlib to visualize the data and scikit-learn to create headline features for deep learning.
  - Published a Jupyter Notebook on Kaggle and received 180 forks from other competitors.