

Jan Garong

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

GitHub: <https://github.com/jangarong>

PROGRAMMING SKILLS

- **Technologies:** Java, Python, TypeScript, JavaScript, C#, Solidity, MongoDB, PostgreSQL, HTML, CSS, React, Git, Agile, Design Patterns, Data Structures, Docker, Amazon Web Services (AWS), Unity.

EXPERIENCE

- **Blackberry** Mississauga, ON
Software Developer Student September 2023 –
 - Worked on CylanceGUARD, which is an AI-driven Managed Detection and Response (MDR) solution.
 - Used AWS Lambda to create serverless backends and managed DynamoDB instances that store alert data.
 - Utilized AWS SQS for storing messages between cloud functions in case of shutdowns, overload or maintenance.
- **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 features for a web application using Flask, Firebase, and React.js.
 - Integrated an Artificial Intelligence module built in Python for forming groups based on personal student data.
 - Used Docker for easy deployment, independent of 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 decentralized applications, and Bug Bounty, a platform that rewards white-hat hackers for finding bugs in decentralized applications.
 - Utilized the Next.js framework and Vercel for developing and deploying the frontend/UI and API endpoints.
 - Built microservices with JavaScript, Serverless, and Nomad for scalability.
- *Security Engineering Intern* October 2021 – December 2021
 - Conducted audits of Solidity smart contracts, including ERC20s, ERC721s, decentralized swaps, and staking platforms, to identify vulnerabilities and centralization issues.
 - Utilized specialized automation tools for code analysis and applied background knowledge as a Solidity developer.
- **dApp Technology Inc.** Toronto, ON
Co-op Blockchain Full Stack Developer May 2021 – December 2021
 - Wrote smart contracts, which included ERC20s and Decentralized Autonomous Organizations in Solidity.
 - Worked on creating user interfaces with UI libraries such as React.js, Next.js and Material-UI.
 - Created backend applications using Nest.js and deployed them on the Google Cloud Platform.

EDUCATION

- **University of Toronto** Toronto, ON
Honours Bachelor of Science September 2019 – November 2023
 - Enrolled in the Computer Science Specialist - Software Engineering stream program.
 - Received a \$2000 entrance scholarship and was part of the Dean's List.
 - Studied Data Structures and Algorithms, as well as formal verification of algorithms.

PROJECTS

- **ZodiacTail** July 2023 – September 2023
 - Aided with conceptualizing the game's main mechanics.
 - Developed the core gameplay segments, as well as helped with fixing bugs in the UI and game itself.
 - Utilized the Unity game engine and collaborated with artists to integrate assets.
 - Used the Agile process to keep track of progress and better estimate goals and deadlines.
- **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.