

# Jan Garong

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## PROGRAMMING SKILLS

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- **Languages & Technologies:** Java, Python, TypeScript, JavaScript, C#, Solidity, NoSQL, SQL, Queue Services, HTML, CSS, React, Git, Agile, Docker, Amazon Web Services (AWS), Unity.

## WORK EXPERIENCE

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- **Blackberry** Mississauga, ON  
*Software Developer Student* September 2023 - December 2023
  - Worked on the backend for Cylance products, which has to do with handling alerts from the clients to the security analysts.
  - 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.
- **CertiK** New York City, 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 of Solidity and Ethereum Protocols during audits.
- **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

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- **University of Toronto** Toronto, ON  
*Specialist Program in Computer Science* September 2019 - November 2023
  - 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.  
*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.

## PROJECTS

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- **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.