

# Jan Garong

Email: jan.garong@mail.utoronto.ca

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

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

## PROGRAMMING SKILLS

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- **Languages & Technologies:** Java, Python, Typescript, JavaScript, Solidity, PostgreSQL, MongoDB, Redis, HTML, CSS, Node.js, React.js, git, Agile, Google Cloud Platform, Docker.

## WORK EXPERIENCE

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- **CertiK**

New York City, NY

*Security Engineering Intern*

*October 2021 - December 2021*

- Audited a variety of decentralized applications written in the Solidity programming language on the Ethereum, Binance and Polygon Chain.
- Used static analysis and automated auditing tools to write audit reports for the client's smart contracts.
- Found issues related to centralization, reentrancy, sandwich attacks and logical issues.
- Projects that were audited include a variety of Decentralized Exchanges, Decentralized Autonomous Organizations, OTCs, ERC20s and ERC721s.

- **dApp Technology Inc.**

Toronto, ON

*Co-op Blockchain Full Stack Developer*

*May 2021 - December 2021*

- Developed smart contracts, which included ERC20s and Decentralized Autonomous Organizations with the Solidity programming language.
- 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.
- Worked with a variety of databases such as MongoDB, Redis, PostgreSQL and Firebase.
- Used Docker to establish microservices for improved scalability with backend servers.

## EDUCATION

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- **University of Toronto**

Toronto, ON

*Specialist Program in Computer Science*

*September 2019 – June 2024*

- 3.49 / 4.0 cGPA
- Received a \$2000 entrance scholarship.
- Part of the Dean's List.

## PROJECTS

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- **SolidGuard**

*December 2021 – February 2022*

- Developed the backend for a blockchain security platform used to store and notify product owners of recent smart contract attacks.
- Used databases such as PostgreSQL and Redis, backend with Nest.js and Swagger, and smart contracts in Solidity.
- Utilized GitHub Actions to implement CI/CD.
- Aided teammates with creating backend API endpoints and their documentations.
- Followed standard agile practices with git flow, regular standups, and a task manager board (Trello).

- **GRR-Pi**

*April 2019 – June 2019*

- Created a Raspberry Pi robot that creates maps and stores information about its surroundings.
- Programmed the hardware using Python, and used the wxPython library to write the user interface.
- Received a Computer Science award for this project and other works done in the course.

- **Amateur Hour - Using Headlines to Predict Stocks**

*October 2018 – January 2019*

- Analyzed news headlines data in order to develop a program that would predict stock movements.
- Used Pandas and Matplotlib to visualize the data, and used Sklearn to create headline features.
- Published Jupyter Notebook on Kaggle and recieved 180 forks from other competitors.