Jan Garong

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PROGRAMMING SKILLS

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

WORK EXPERIENCE

- **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

- **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

- **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.