Jan Garong

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PROGRAMMING SKILLS

- **Languages & Technologies**: Java, Python, Typescript, JavaScript, Solidity, PostgreSQL, MongoDB, git, Agile

EXPERIENCE

- **CertiK** — New York City, NY
  Security Engineering Intern — *October 2021 - Present*
  - 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 Attacks, Sandwich Attacks and Logical Issues.
  - Projects that were audited include decentralized exchanges, ERC20s, and NFTs (ERC721s).

- **dApp Technology Inc.** — Toronto, ON
  Co-op Blockchain Full Stack Developer — *May 2021 - Present*
  - Developed smart contracts on Ethereum and the Binance Smart Chain which includes ERC20s and Decentralized Autonomous Organizations with the Solidity programming language.
  - Worked on creating user interfaces with UI libraries React.js, Next.js and Material-UI.
  - Created backend applications using Nest.js and deployed them on the Google Cloud.
  - Worked with a variety of databases such as MongoDB, redis and Firebase.

EDUCATION

- **University of Toronto** — Toronto, ON
  Specialist Program in Computer Science (Co-operative) — *September 2019 – Present*
  - 3.49 / 4.0 cGPA
  - Plan on graduating in Fall 2024.

PROJECTS

- **Baobab** — *May 2021 – August 2021*
  - Developed a social media education platform in a Software Engineering course.
  - Used databases such as MongoDB and redis, backend with nest.js and frontend with next.js.
  - Aided teammates with both the user interface and creating backend API endpoints.
  - Followed standard agile practices with git flow, standups, and a task manager board (Jira).
  - Received a high grade on the project as well as maintained constant velocity throughout the sprints.

- **Convention Manager** — *October 2020 – December 2020*
  - Designed a Convention Manager using Java in a Software Design course to allow users to sign up for events.
  - Applied SOLID principles and various design patterns such as Builder and Factory.
  - Organized and led teammates through weekly Zoom meetings, and formed a recognized study group for the project.

- **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.