

# Jia Wen Lee

## Professional Summary

Software developer with 7+ years of writing code. Learns new skills, languages and frameworks based on the needs of the task at hand. Worked in both highly regulatory environments with strict code testing standards as well as fast pace research and development environments. Familiar with financial products and trading. Been in the block chain space since 2016. Fully remote since 2020.

## Employment History

### Software Development Engineer in Test, FINRA, Remote

Jan 2021 - Present

- Design test scenarios and create Python and SQL programs for automated testing to ensure data integrity of financial data received from exchanges, and data integrity of automatically generated reports for regulators base on detailed business requirements.
- Design and execute integration testing for AWS system.
- Maintain Jenkins CI/CD pipelines and create regression tests using Selenium and Python to ensure code still works after each deployment.
- Present on block chain technology for an internal learning group.

### Software Engineer, Collins Aerospace, Remote

June 2020 - Jan 2021

- Develop, debug, maintain and test software used to run the flight interface and flight managements systems in commercial aircraft.
- Program in ADA and Python adhering to strict regulatory, safety and testing standards.

### Research Development Software Engineer, BioCentury Research Farm

May 2018- June 2020

- Log, process, clean and merge LiDAR data with GPS data and perform post processing data analysis with MATLAB and Python to assess the viability of sensors for agricultural needs.
- Create a GUI using Python QT4 with a back end C++ multi-threaded TCP/IP, CANBus and UDP sockets to chart live LiDAR data.

### Software Developer Co-op, Ag Leader Engineering, Ames, Iowa

May 2017 – Dec 2017

- Optimized existing MATLAB programs used for data processing resulting in a reduction of program run time from 9 hours to 2 minutes.
- Create new MATLAB programs and GUI to speed up data processing and data analysis.

## Education

Iowa State University:

Masters of Science in Agriculture Engineering: August 2015 – April 2020

## Details

515-708-8227

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## Links

[Website](#)

[LinkedIn](#)

[GitHub](#)

## Accomplishments

- Made an autonomous snow plow for Ion Autonomous Snowplow Competition
- First Robotics Lead Mentor for Software and Controls
- Run a block chain technology learning group

## Skills

Python

C++

JS (electron, react, node)

SQL

HTML/CSS

Git &SVN

Jenkins

AWS (EC2, S3, Lambda, Redshift)

Jira & Confluence

Agile

Debug & Investigate

Software requirements & testing

Web Scraping

Command Line