

## Contact

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## Top Skills

Signal Integrity

Engineering Design

Microsoft Excel

## Certifications

The Six Biases of Decision-Making

Business Analysis Foundations

How to Be Both Assertive and Likable

How to Build Credibility as a Leader

Excel: Advanced Formulas and Functions

# Xiu Bo Isaac Xavier Lee

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Singapore

## Summary

I am a highly accomplished professional specializing in Industrial Automation and Engineering Design, possessing extensive expertise in my field. I excel in collaborative environments, working seamlessly with teams to conceive and develop cutting-edge engineering solutions, capitalizing on my unwavering commitment to precision and attention to detail. I am currently actively seeking an exceptional opportunity with a distinguished organization, where I can contribute significantly and derive deep satisfaction from my work. With a solid foundation in Early Childhood Education, complemented by my diploma in Automation Mechatronic Systems from the esteemed Ngee Ann Polytechnic's School of Engineering, I bring a distinctive and diverse perspective to my technical prowess. Proficient in Excel and armed with exceptional problem-solving abilities, I navigate complexities with ease. Furthermore, I have honed my skills in web development, creating impactful webpages and a captivating portfolio utilizing HTML, JS, and CSS, showcasing my versatility and proficiency across a myriad of projects.

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## Experience

Molex

10 months

Signal Integrity Assistant Engineer

February 2022 - June 2022 (5 months)

Singapore

As part of Molex's Datacom & Specialty Solutions Department, my job duties included:

- Characterizing high-speed connectors and systems through the use of high-speed digital testing and electromagnetic modeling techniques
- Creating electrical test procedures and specifications, both empirical and analytical

- Designing and creating test fixtures, characterization test boards and customer verification boards, and working with PCB design companies
- Conducting empirical and analytical testing based on available design input requirements
- Preparing evaluation and qualification reports or presentation materials for both internal and external use
- Managing and maintaining all laboratory equipment and inventory
- Communicating and coordinating with equipment partners and PCB vendors
- Managing and updating Signal Integrity documentation and database
- Staying current with industry trends in high-speed connector requirements and sharing information with team members
- Collaborating with customers on various high-speed serial I/O, Backplane, Board-to-Board and Channel applications
- Providing support to Signal Integrity engineers with daily job functions such as measurement, simulation, report creation and cross-section requests
- Performing any other duties as assigned by management

#### Quality Assurance Intern

September 2021 - February 2022 (6 months)

joo koon, singapore

As a member of the Quality Assurance Department at Molex, my responsibilities included:

- Minimizing the cost of poor quality and identifying opportunities for improvement
- Organizing internal Quality Assurance operations and procedures to enhance productivity and efficiency
- Implementing quality yield/scrap improvement projects

- Improving processes by moving towards paperless methods, reducing human error and implementing systematic process control
- Streamlining data collection, analysis, and Return merchandise authorization processes for improved efficiency.

## DonDonDonKi

### Crowd Control

March 2021 - April 2021 (2 months)

Singapore, Somerset

I was responsible for ensuring that customers completed their safe entry procedures before entering the stall. Additionally, I had to manage the crowd by making sure there were not too many people in the stall at the same time. Therefore, my role was to prevent customers from accessing the stand and creating a line for them to enter the stall.

## STUFF'D

### Food Server

October 2018 - March 2019 (6 months)

Singapore, Singapore

As a Food Server, my duties include explaining the menu to patrons, receiving orders, coordinating with kitchen staff and ensuring timely delivery of dishes to customers while keeping a balance of the dishes.

## UPS

### Unloader

August 2018 - September 2018 (2 months)

Expo, Singapore

I was tasked with offloading packages, parcels, and boxes from delivery trucks into designated carriers to aid those responsible for scanning and directing them to the appropriate destination.

## Shin Manbok Korean Restaurant

### Dishwasher

November 2016 - December 2016 (2 months)

Hillview, Singapore

I was responsible for ensuring that dishes were washed properly and maintaining high standards of cleanliness in the kitchen, even during peak hours when the volume of dishes was high due to high customer turnout.

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## Education

Ngee Ann Polytechnic

Mechatronics, Robotics, and Automation Engineering · (April 2019 - April 2022)

Chua Chu Kang Secondary

O levels & N levels · (January 2012 - December 2017)