

# Jacob/Lim Zhi Hua

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## Skills

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**Programming Languages:** Java, Python, VBA, C, React, Node.js, JavaScript, HTML

**Software and Tools:** Tableau, Selenium, Microsoft Excel, Neo4j, MongoDB, Docker

## Academic Information

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**Honours Bachelor of Science Degree with High Distinction**

**Major in Computer Science, Major in Economics for Management Studies**

**GPA: 3.52/4**

## Work Experience

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**University of Toronto Scarborough, THE BRIDGE**

**Full Stack Software Developer – 4<sup>th</sup> January 2020 – 30<sup>th</sup> April 2020**

- Maintained an SQL database, creating and linking new tables and ensuring data integrity
- Handled the transferring of sensitive data to a secure computer for decryption
- Created SQL queries for both data analysts and non-tech savvy clients for data analysis.
- Maintained a website to read, encrypt and store data from an excel file to a SQL database
- Implemented file encryption and decryption with both public/private and symmetric encryption
- Communicated with clients to identify new requirements for their website and fix existing bugs.

**Schneider Electric, Singapore**

**Data Analyst Intern - 2nd January 2019 - 30th June 2019**

- Designed, created, and maintained dashboards in Tableau to visualize data
- Automated the generation and sending of email messages using VBA.
- Created interactive training material for SQL and R

**IT Analyst Intern - 1st July 2019 – 31st August 2019**

- Digitalized physical forms to centralize data collection and speed up the onboarding process
- Automated the running of Excel Macros through the Windows Task Scheduler
- Used Selenium and VBA to automate scraping of data from a website to an Excel workbook to automatically update a Tableau dashboard
- Automated the processing of financial stocks using VBA, reducing 1 month's worth of manual work to less than 3 hours

## Extra Curricular

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**Sportcred Web App**

- Collaborated with a small team to create a prototype for a sport themed social media website
- Built customized forms to update user profile settings using Material UI
- Interacted with our MongoDB to update and extract user data.
- Designed several MongoDB schemas to
- Implemented authentication that prevented users from bypassing secure pages with a third party authentication service (Auth0)