

# LIM RUI TING VALENCIA

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## EDUCATION

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**National University of Singapore (NUS)** Aug 2022 - Present

**Bachelor of Computing (Computer Science) with Honours**

- Expected Date of Graduation: May 2026
- Current GPA: 3.75/5.0

**Nanyang Polytechnic**

Apr 2019 - May 2022

**Diploma in Business and Financial Technology with Merit**

- Graduated with GPA of 4.0/4.0
- Valedictorian of cohort AY2019/2020
- Receive NYP-SAS Scholarship from 2021 - 2022
- Awarded OCBC Bank Gold Medal (2022)

## TECHNICAL SKILLS

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- Web Development: HTML | CSS | JavaScript | C# | ASP.NET
  - Mobile Application Development: Ionic
  - Other programming languages: Python | Solidity
  - Database Management Languages: SQL | MySQL
  - Data Analytics Tools: Tableau | Excel

## WORK EXPERIENCE

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**Machine Learning Engineer Trainee, Nanyang Polytechnic (NYP), Singapore** Mar 2022 - Aug 2022

- Worked as a Machine Learning Engineer Trainee and contributed to the integration and creation of ML Models into web applications
- Created a web application POC called Resume Auto-Reviewer using **C#** and **ASP.NET** framework
- Built a (ML) model using **ML.NET** libraries and successfully integrated the model into the Resume Auto-Reviewer to reduce 80% manual grading done by module tutors and increase tutor's work efficiency
- Cleaned training data using **Python** and **Excel** to improve performance of ML model
- Enhanced ML Model in the Assessment Engine for NYP Aptitude Tests using **ML.NET** libraries to better assist in the selection process of the polytechnic's early admission exercise, winning MOE Innergy Award 2022 - Gold
- Actively participate and contribute to weekly meeting with project managers by suggesting new libraries or new features to be added

**Pre-Sales Engineer Intern, SAS Institute, Singapore**

Mar 2021 - Aug 2021

- Collaborated with team of 4 members to develop items for project demonstration (demo) as requested by client
  - Built an automated questionnaire with validation features and user-friendly interface using **JavaScript** libraries and **UX Design Principles** independently, thus helping the company to save approximately 6,000 SGD on human capital
  - Built a real-time management dashboard with filtering and customisation features using **SAS tools**, enabling the team to deliver the project demo on time
  - Presented progress of project demo to client during weekly online meetings, and brought negotiation to next stage
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## PROJECTS

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### Propnex Jasmine Lim Hui Jun, Personal Project

- Built a website using **CSS, HTML** and **JavaScript** to promote mother's real estate business and improve her online presence
- Won 1st place at NYP Lit Hackathon
- Visit the website here: <https://valencialim.github.io/NYP-LIT-Hackathon/>

### Ecommerce Website, School Project

- Led team of 4 to create an interactive web application for laptop retail business, using **Flask framework with Python** for backend with Python OOP, **HTML/CSS/JavaScript** for frontend and **Python shelve** for database
- Implemented shopping cart and payment functionalities, and conducted code reviews for teammates
- In charge of final integration of all pages to ensure smooth user experience and interaction with database
- GitHub Repository: <https://github.com/ValenciaLim/Python-Flask-App>

### InFriendsment, School Project

- Led team of 4 to create an interactive web application for franchise service business, using **C#, ASP.NET, Bootstraps** and **SQL database**.
- Developed and Integrated Inbox, Schedule and Calendar pages, and conducted code reviews for teammates
- In charge of final integration of all pages to ensure smooth user experience and interaction with database
- GitHub Repository: <https://github.com/ValenciaLim/InFriendsment-ASP.NET>

### Student Record DApp, School Project

- Created a decentralized application for polytechnics to keep track of student records and diploma transfers more efficiently using **Solidity** for backend and **HTML/CSS/JavaScript** for frontend
- Visit the application here: <https://valencialim.github.io/Student-Record-Solidity/>
- GitHub Repository: <https://github.com/ValenciaLim/Student-Record-Solidity>

### GreenSG, School Project

- Led team of 4 to create a cross-platform mobile application for recycling service business, using **Ionic, Angular** and **Firebase**
- Developed and Integrated Discussions, Post, Events and Event Dashboard pages, while utilizing QR code scanner, camera and PDF generator plugins.
- In charge of final integration of all pages to ensure smooth user experience and interaction with database

## CO-CURRICULAR ACTIVITIES

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### President, NYP Entrepreneurship Club, Singapore

Apr 2020 - May 2021

- Led team of 7 to plan, propose and organise the 1st intra-club pitching competition, and a series of biweekly fireside chats with industry professionals and entrepreneurs leading to 50% increase in club engagement
- Provided weekly feedback on club activities through online meetings with club managers

## ADDITIONAL INFORMATION

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- Competitions: Participated in NYP-LIT Hackathon and won 1st place, participated in NUS Fintech Month Hackathon 2022 and reached semi-finals
- Languages: Fluent in English and Mandarin (both spoken and written)