

# JERVIS CHAN JUN YONG

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## EDUCATION

|   |                                |
|---|--------------------------------|
| <b>Nanyang Technological University, Renaissance Engineering Programme</b>  | Aug 2018 – Dec 2022 (Expected) |
| <ul style="list-style-type: none"><li>Bachelor of Engineering Science in Computer Science, Master of Science in Technology Management and Minor in Mathematics</li><li>First Class with CGPA of 4.83/5.0 (96.6%)</li><li>Awarded the Nanyang Technological University's Renaissance Engineering Programme Scholarship</li></ul> |                                |
| <b>Zilliqa Blockchain Developer Bootcamp</b>  | Feb 2020 – Mar 2020            |
| <ul style="list-style-type: none"><li>Developed smart contracts in Scilla and built crowdsourcing decentralized application (dApp) with React on the Zilliqa Blockchain</li><li>Awarded Zilliqa Blockchain Developer Bootcamp full scholarship</li></ul>  |                                |

## PROJECTS AND COMPETITIONS

|   |  |
|---|--|
| <b>Bengali.AI Handwritten Grapheme Classification (Kaggle)</b>  |  |
| <ul style="list-style-type: none"><li>Achieved top 1% (15/2059) in the optical character recognition of Bengali grapheme elements with image classification model based on EfficientNet with FastAI.</li></ul>  |  |
| <b>JPMorgan Chase Virtual Internship</b>  |  |
| <ul style="list-style-type: none"><li>Built stock monitoring web application, using TypeScript, React and JPMorgan Chase's Perspective software, to visualise and analyse share price data.</li></ul>   |  |
| <b>Data@ANZ Virtual Internship</b>  |  |
| <ul style="list-style-type: none"><li>Performed exploratory data analysis and data visualisation, using Python and Jupyter, on transactions of 100 customers over a period of 3 months.</li><li>Performed predictive analytics with regression and tree-based models to predict annual salary of customers.</li></ul> |  |
| <b>UBS Quant Hackathon</b>  |  |
| <ul style="list-style-type: none"><li>Proposed sector rotation strategy implementation through use of a reinforcement learning algorithm (Proximal Policy Optimization) and trained reinforcement learning agents on custom stock trading environment built on OpenAI's Gym.</li></ul>                                |  |
| <b>Singapore-India Hackathon</b>  |  |
| <ul style="list-style-type: none"><li>Developed a web application for epidemiology analysis in the context of poor data gathering of public health data in India and won Top 10 in the hackathon.</li></ul>   |  |
| <b>Rohde and Schwarz Engineering Competition</b>  |  |
| <ul style="list-style-type: none"><li>Performed top in Asia and 6<sup>th</sup> globally in predicting 5G bandwidth demand and selecting optimal broadcast frequency by using XGBoost coupled with k-fold cross validation techniques.</li></ul>   |  |

## WORK EXPERIENCE

|   |                     |
|---|---------------------|
| <b>Alphien SAS</b>  | Mar 2020 – Present  |
| Quantitative Developer Intern   |                     |
| <ul style="list-style-type: none"><li>Designed and produced wireframe for investor portal interface with Figma.</li><li>Developed R functions relating to portfolio and portfolio optimization.</li></ul>   |                     |
| <b>Nanyang Technological University (Dauwels Lab)</b>   | Aug 2019 – Present  |
| Student Researcher  |                     |
| <ul style="list-style-type: none"><li>Studied generative adversarial networks and variational auto-encoders in applications on disentangled representation and explainable artificial intelligence.</li></ul>   |                     |
| <b>Advanced Micro Devices (AMD)</b>   | May 2019 – Aug 2019 |
| Co-Op Engineer  |                     |
| <ul style="list-style-type: none"><li>Involved in new product bring-up, working with advanced APU and CPU test platforms.</li><li>Applied unsupervised machine learning methods (Autoencoders, DBScan Clustering and K-Means Clustering) to identify, label and classify defect patterns in silicon wafers, aiding in yield analysis.</li><li>Developed Python and Perl scripts for data cleaning and automation of visualization of test data.</li></ul> |                     |

## LEADERSHIP EXPERIENCE

|   |                     |
|---|---------------------|
| <b>Director of Business Development, Blockchain At NTU</b>  | Aug 2018 – Aug 2019 |
| <ul style="list-style-type: none"><li>Led business development team in contacting potential partners or sponsors, such as Ethereum Foundation and Akomba, for event collaborations or research grants.</li><li>Managed school outreach and publicity as Student Outreach Lead for ETHSingapore (ETHGlobal), welcoming more than 100 participants from across the world.</li></ul> |                     |
| <b>Translation Team Founder, Tencent Qidian</b>   | Jan 2017 – Dec 2018 |
| <ul style="list-style-type: none"><li>Led and managed twelve web-novel translation teams.</li><li>Translated Chinese webnovels to English, yielding more than 100 million views.</li></ul>  |                     |
| <b>Social And Relations Committee, Hwa Chong Students Council</b>   | Jun 2014 – Jun 2015 |
| <ul style="list-style-type: none"><li>Organized school social events such as the Inter-Faculty Dance Competition and orientation.</li><li>Spearheaded green initiatives, such as the replacement of Styrofoam takeaway packets with reusable lunch boxes, saving more than 1,000 Styrofoam takeaway packets.</li></ul>  |                     |

## SKILLS

- Languages: English, Chinese
- Programming: Python, Golang, Java, SQL, C/C++, R, Javascript, HTML/CSS
- Frameworks and Libraries: PyTorch, Keras, Django