JERVIS CHAN JUN YONG

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EDUCATION

Nanyang Technological University, Renaissance Engineering   *CGPA: 4.85/5.0 | Major GPA: 5.0/5.0*
B.S. Computer Science (Minor in Mathematics), M.Sc. Technology Management   *Aug 2018 - Dec 2022*
- **Coursework:** Data Structures, Algorithms, Object Oriented Programming, Data Science, Artificial Intelligence Databases, Operating Systems, Software Engineering, Probability and Statistics, Data Analysis with R

National University of Singapore
B.S. Computer Science   *Aug 2020 - Dec 2020*
- **Coursework:** Design and Analysis of Algorithms, Parallel Computing, Mathematical Statistics, Financial Time Series Theory and Computation

SKILLS & TECHNOLOGIES

Skills: Data Science, Machine Learning and AI, Web Development, Product Management
Languages: Python, Java, SQL, R, Javascript, HTML/CSS, Spark
Frameworks/Libraries: Django, Angular, React.js**,** Keras, PyTorch, FastAI**,** Plotly/Dash

WORK EXPERIENCE

SHOPEE, Product Management (Data) Intern   *Jun 2020 – Present*
- Created Data Nexus Operations SOP knowledge base for issue troubleshooting, saving developer man-hours.
- Handled tickets and issues for Data Nexus and Lumos, proposing improvements of common issues to developers.
- Created wireframes for improvements in UI for Data Nexus and Lumos.
- Investigated failing workflows and educated users to improve workflows, saving consumption of resources.
- Performed user education and migration for SeaMoney Business Intelligence team reports to Data Nexus, automating and improving their workflows, saving man-hours per report.

ALPHIEN SAS, Quantitative Developer Intern   *Mar 2020 – Jun 2020*
- Developed payout, portfolio and portfolio optimization functions in R for Alphien quantitative library.
- Developed monitor functions and bot scripts to automate report generation and sending of quantitative strategy reports to clients.
- Designed and wireframed investor portal and portfolio optimization platform with Figma.

AMD, Product Engineer (Co-op)   *May 2019 – Aug 2019*
- Developed Python and Perl scripts for data processing, cleaning and visualization of test data, aiding test engineers in inference and testing of new product units.
- Developed unsupervised machine learning model to identify, cluster and label defect patterns in silicon wafers, aiding yield engineers with yield analysis and inference.

SELECTED PROJECTS AND COMPETITIONS

Weather Monitoring Application *Angular, BootStrap*
- Developed purely front-end weather monitoring application with Angular, obtaining data with OpenWeatherMap API, that allowed monitoring of multiple city data independently in different panels

Stock Monitoring Application *React, TypeScript, Perspective*
- Built stock monitoring web application to visualise and analyse share price data, providing indicator signals by using correlation between stocks.

Bengali.AI Handwritten Grapheme Classification *Python, PyTorch (FastAI)*
- Developed classification model based on EfficientNet with FastAI for the optical character classification of Bengali grapheme elements.

UBS Quant Hackathon *Python*
- 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.

SELECTED AWARDS AND ACCOMPLISHMENTS

Kaggle Silver Medal (Ranked 15/2059), Bengali.AI Handwritten Grapheme Classification Competition   *Mar 2020*
Zilliqa Blockchain Developer Bootcamp Scholarship   *Mar 2020*
Finalist, TransferWise Coding Competition   *Jan 2020*
Top 10, Singapore-India Hackathon   *Aug 2019*
Top in Asia, 6th Globally, Rohde and Schwarz Engineering Competition   *May 2019*
1st Runners Up, RE-Hackathon   *Mar 2019*
Renaissance Engineering Programme Scholarship   *Aug 2018*

LEADERSHIP AND CO-CURRICULAR EXPERIENCE

University Delegate, Singapore Fintech Festival   *2018, 2019*
Director of Business Development, Blockchain At NTU   *Aug 2018 – Aug 2019*
Student Outreach Lead, Ethereum Singapore Hackathon   *Nov 2018 – Dec 2018*
Sparrow Translations Team Founder, Tencent Qidian   *Jan 2017 – Dec 2018*