BRYAN JUNIANO

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EDUCATION

National University of Singapore   **Aug 2021 - July 2025**
Bachelor of Computing in Computer Science
Focus Areas: Algorithms & Theory (Merit), Computer Security (Merit)
- Silver medal National Olympiad of Informatics (2018)
- 1st place Cyber Defenders Discovery Camp (2018)
- Completed Coursework: Design and Analysis of Algorithms, Theory of Computation, Computer Security, Software Engineering, Data Structures and Algorithms, Foundations of Modern Cryptography, Big Data Systems for Data Science, Competitive Programming

TECHNICAL SKILLS

- Languages: Python, Java, C/C++, JavaScript, Typescript, Golang
- Frameworks: PyTorch, React,Node.js, GraphQL, Playwright,MongoDB,PostgreSQL
- Developer Tools: Git, Unix, AWS S3 EC2, Jira, Docker, Arduino

WORK EXPERIENCE

Founder, bruhtech.com, Singapore   **Jan 2021 - Present**
- Studied Shopify's proprietary Liquid language to optimize store front for customer experience
- Analyzed 3000+ customer order data and 50000+ visitor logs with R to strategize new product and pricing decisions, increasing average order value by over 30%
- Experimented with credit card logs to predict fraudulent transactions using PyTorch ML, with 97% accuracy rate
- Created custom plugins

Quality Assurance Intern, Ohceans, Singapore   **May 2024 - Nov 2024**
- Performed functional, regression and system testing on codebase
- Harnessed Playwright test generator to speed up browser test generation by up to 80%
- Reviewed user stories to ensure described features were implemented accurately
- Improved inefficient code using Javascript concurrency model and optimized data structures

Army Digital Trooper, Singapore Armed Forces, Singapore   **Apr 2020 - Jun 2020**
- Collaborated with SAF personnel to create digital solutions for MINDEF
- Automated nominal roll collection using batch scripts, reducing processing time by 80%
- Built Heat web application to allow soldiers to continue required workout routines in quarantine
- Received MINDEF and Unit Innovation Award for contributions

PROJECTS

Lead Developer, SG Tetris | Golang, GraphQL, MySQL Singapore   Jun 2025 - Present
- Lead Developer for Singapore Tetris community website
- Update website with latest events and news
- Designed and maintain elo-based rating system to rank over 50+ active players by tournament results

Developer, PowerCards | Java, JavaFX, Singapore   Jan 2023 - May 2023
- Developed Java flashcard application to enhance learning for university students
- Created UML diagrams and wrote User and Developer Guides
- https://ay2223s2-cs2103t-w11-3.github.io/tp

Developer, Carostonks | Node.js, Singapore   Jan 2023 - Jan 2023
- Built Node.js Discord bot to notify users of in-demand and underpriced items as soon as they're listed
- Reverse engineered closed-source API to poll live data from local C2C platform Carousell.com
- https://devpost.com/software/carostonks

CO-CURRICULAR ACTIVITIES

Lead Organiser, NUS Esports/Tetris Division, Singapore   Jan 2024 - Present
- Planned and hosted in-person Tetris tournaments to engage NUS students and local Tetris community
- Designed edutainment Kahoot quizzes to introduce younger attendees to relevant STEM concepts
- Automated match result verification with Python, reducing required manpower by 50%
- Increased event attendance numbers by over 500% within a year with over 90% positive feedback and over $2000 distributed in lifetime prizes