Julian Tang

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EDUCATION

Northwestern University Evanston, IL
Bachelor of Science/Master of Science in Computer Science, Segal Design Certificate *Sep. 2023 – June 2027*
- Dean's list recipient 4/4 quarters present

EXPERIENCE

Software Engineering Intern July 2024 – Aug. 2024
Prudential Assurance Company Singapore *Singapore*
- Developed and integrated advanced Google Analytics tracking for the company's core financial platform utilized by 5,000 financial consultants, enhancing data collection on load times and page views by 75%. This implementation provided financial consultants with critical insights into user interactions, identifying popular features and those that could be removed, leading to a 30% increase in user engagement metrics.
- Developed function that dynamically handles page element tracking for Google Analytics, automating event-triggering process, resulting in a 40% reduction in manual event configuration time
- Wrote over 50 comprehensive Jest tests to ensure functionality of key features of financial platform webpage.

Sergeant Feb. 2021 – Feb. 2023
Protective Security Command - Singapore Police Force *Singapore*
- Led collaborative efforts to oversee security checkpoints for high-profile events such as the May Day rally with the prime minister of Singapore, F1 Singapore Grand Prix's Paddock Club and the Istana Open House for the President.
- Two-time recipient of commander's award for excellence in leadership and service.

Intern June 2018
Makara Capital Investment Bank *Singapore*
- Conducted research on the solar panel industry and created a competitive landscape analysis for potential clients.
- Organized meetings and led presentation planning with clients.

PROJECTS

Movie Learning Predictor | *Python* Sep. 2024 - Dec. 2024
- Led the development of an ID3 algorithm with pruning for a movie recommendation system in a team of 5. Assisted in building feed-forward neural network.
- Using MovieLens dataset, analyzed over 1,000,000 users in order to predict user preferences based on chosen features such as gender representation, age demographics, and content ratings.
- Created and maintained around 30 unit tests, boosting code coverage by 30%.

Sushi Clicker | *Unity, C#, C* Dec. 2022 – Jan. 2023
- Designed and developed clicker game on Unity using C#, implemented gameplay mechanics, visuals and sound.
- Approved and published to the largest online PC gaming platform, Steam.
- Estimated over 5000 downloads by Gamalytic, with over a 75% positive review rate.

AirBNB Analysis Project | *Python* Feb. 2024
- Analyzed over 8900 AirBNB listings to create a comprehensive statistical analysis on listings present in Chicago.
- Identified trends and patterns within the data set, such as property types, listing types and prices.
- Utilized statistics and CSV libraries in Python to read CSV files calculating key metrics while also identifying trends.

TECHNICAL SKILLS

Languages: C, C++, Python, C#, HTML, CSS, JavaScript, TypeScript
Frameworks: React.js, Node.js, Jest (testing)