Liu Jason Tan

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Education

- **Master of Science in Applied Data Science** *(May 2022)*
  University of Michigan – School of Information, Ann Arbor, Michigan
- **Bachelor of Science in Information Systems, Cum Laude** *(May 2020)*
  Specialization in Finance
  Stony Brook University, Stony Brook, New York

Work Experience

- **Stony Brook University – Client Support** *(October 2017-May 2020)*
  - Senior Computer Specialist

    Performed on-site troubleshooting and data backup to save precious time of professors and staff, handled essential communications for all information technology-related issues on and off-campus leading to faster response time and assisted with advanced back-end hardware and software support to provide security to all devices connected to the campus network
- **Stony Brook University - Applied Mathematics and Statistics** *(August 2018 – December 2018)*
  - Teaching Assistant for Multi-Variable Calculus

    Graded hundreds of homework assignments with feedback every week leading to better grades every subsequent assignment, held office hours and responded to emails to help students with questions to provide one-on-one feedback, proctored all exams to ensure academic integrity and monitored discussion board to increase student engagement in the course

Skills

- Programmed in C, HTML, CSS, Java, **R**, **SQL** and **Python** (with libraries such as **Keras**, **TensorFlow**, **SciKit Learn**, **Numpy** and **Pandas**)
- Competent in Microsoft **Access**, **Excel**, PowerPoint, Project, Word, Jira, Confluence, and IDE such as NetBeans, Eclipse and **Jupyter Notebook**
- Experienced in using data science methods such as **preprocessing**, data **analysis**, data **modeling** and data **visualization**
- Familiar with machine learning and artificial intelligence algorithms such as **neural networks**, support vector machine, **clustering**, dimensionality reduction**,** and **regression** modeling

Recent Projects

- **Stock Market Prediction (2019)** – Final project for Data Science course, which analyzed past stock prices to make predictions for future stock prices, using **Long Short-Term Memory (LSTM)** neural network and **linear regression**
- **Voice Recognition (2019)** – Final homework for Data Science course, which uses labeled data of voices to determine the voice of an unknown source, by using **artificial neural networks** from the **Keras** library in **Python**
- **Electric Vehicle Analysis (2020)** – Personal project to analyze the data of a Tesla vehicle, comparing efficiency with temperature, average speed, and driving smoothness, as well as recording battery degradation over time.