Liu Jason Tan

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Education

- **Master of Science in Applied Data Science** (Expected 2022) GPA: TBD
  University of Michigan, Ann Arbor, Michigan
- **Bachelor of Science in Information Systems, Cum Laude** (Graduated May 2020) GPA: **3.64** /4.00
  Specialization in Finance
  Stony Brook University, Stony Brook, New York

Work Experience

- **Stony Brook University Division of Information Technology – Client Support (October 2017-May 2020)**
  - Senior Computer Specialist
    Worked in multiple positions to assist with all user inquiries within the division of information technology, such as going on field calls to do on-site troubleshooting and data backup, taking phone calls and replying to emails for all information technology-related issues on and off-campus, and assisting with advanced back-end hardware and software support, such as reloading a computer and malware removal
- **Stony Brook University – Department of Applied Mathematics and Statistics (August 2018 – December 2018)**
  - Teaching Assistant for Multi-Variable Calculus
    Graded hundreds of homework assignments with feedback every week, held office hours and responded to emails to help students with questions, proctored all exams, and monitored discussion board

Skills

- Programmed in Arduino, C, HTML, **Java**, **R**, **SQL**, and **Python** (with libraries such as Keras, TensorFlow, SciKit Learn, Numpy and Pandas)
- Competent in Autodesk Inventor, National Instrument Mutism and LabView, Microsoft (**Access**, **Excel**, PowerPoint, Project, Word), Jira, Confluence, and IDE such as **NetBeans**, **Eclipse**, and **Jupyter Notebook**
- Experienced in using data science structures such as **Neural Networks**, **Support Vector Machine**, **Clustering**, **Dimensionality Reduction**, and **Regression** Modeling
- Knowledgeable on operating system management, software installation, and data storage/ recovery
- Skilled in network connectivity and troubleshooting of all devices and all operating systems

Relevant Coursework

- Computer Networks	- Discrete Mathematics	- Object-Oriented Programming
- Computer Security	- Fundamental Computer Architecture	- **Probability and Statistics**
- **Data Science**	- Information Systems Management	- Project Management
- Data Structures	- **Linear Algebra**	- Robotics Building and Programming
- Database Systems	- **Multivariable Calculus**	- Technical Communications

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
- **Hotel Database (2018)** - Final project for Database Design course, which showed relationships of the entities (customer, employee, room, etc.) and analyzed data to produce a meaningful report about a hotel using **SQL**
- **Custom Amortization Calculator (2018)** – Personal project to create a breakdown of a mortgage statement, which determined what percentage of the monthly payment goes to principal, interest, taxes, fees, insurance, etc. and how changing the payment amount affects the length of the loan
- **Transaction Recorder (2017)** - Final project of Object-Oriented Programming Course, which involved processing credit card transactions data and creating bank statements for multiple users
- **Digits of Pi Generator (2016)** – Mid-year project for Principles of Computer Science, which used **python** to generate digits of pi, encompassing multiple mathematical formulas
- **Robotics Project (2015)** – Summer project at an internship, which used Arduino to build and program a robot that would navigate through a maze autonomously using sensors