Liu Jason Tan

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Education

- **Bachelor of Science in Information Systems, Cum Laude** (Graduated May 2020) GPA: **3.61** /4.00
  Specialization in Finance
  Stony Brook University, Stony Brook, NY
- **Advanced Regents High School Diploma** (Graduated June 2017) GPA: **94.87** /100.00
  Brooklyn Technical High School, Brooklyn, NY

Work Experience

- **Stony Brook University Division of Information Technology – Client Support (October 2017-May 2020)**
  - Student Technician

    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 homework assignments with feedback every week, held office hours and responded to email 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 the user
- **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