Liu Jason Tan

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Education

- **Bachelor of Science in Information Systems** (Expected 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-Present)**
  - 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 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** Office, **Google** Applications, 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 of all devices and all operating systems
- Trained in hardware diagnostics, repairs, and replacements

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 Mortgage 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
- **CSE Bank (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
- **LaRE Robotics Project (2015)** – Summer project at an internship, which used Arduino and building materials to build and program a robot that would navigate through a maze autonomously using sensors