Sean Coneys

Programmer

Personal Info

Address

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E-mail

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Website

www.seanconeys.com

GitHub

https://github.com/seanconeys

Skills

Python

Advanced

Data Analysis

Intermediate

Machine Learning

Intermediate

Front End (HTML,CSS,JS)

Intermediate

Linux/Unix

Advanced-Beginner

Languages

Mandarin Chinese

Intermediate

I'm someone who is willing to take chances, face adversity, and there is nothing I love more than diving into something new and learning everything about it. I'm an avid programmer with an interest in data science, computer security, and quantum computing. My favorite language is python, and my favorite projects I've worked on is identifying bitcoin ponzi schemes with machine learning and my current capstone on quantum simulations of the transverse Ising Model. I'm a senior at New York University - Shanghai where I study computer science.

Education

08/2015 - present

New York University - Shanghai

-Computer Science major

-Learned Mandarin Chinese

-Student at Shanghai campus for 3 out of 4 years, with a year abroad in New York

Projects

Quantum Simulations of the Transverse Ising Model

Senior Capstone

Currently quantum physics simulations of N body problems are one of the main areas of interest in the field of quantum computing due to the inherent advantage for quantum computers in modeling quantum systems. One of the simplest, nontrivial models of interest is the transverse Ising model for the modeling of magnetic dipole moments of atomic spins. Me and my partner's work focuses on the implementation of this model on a superconducting qubit architecture and an understanding of the advantages, limitations, and error associated with it.

Identifying Ponzi Schemes on the Bitcoin Blockchain

Machine learning project that explores the process of creating a classification model for bitcoin ponzis from start to finish and the main difficulties therein: labeling data, parsing the data, and dealing with an imbalanced dataset. We explore a variety of models as well as methods for dealing with the imbalanced data and discuss their efficacy with regards to this classification problem.

Accolades and Leadership Experience

-Perfect composite score (36) on the ACT

-Presidential Scholar Nominee

-AP Scholar with Distinction

-JV Wrestling Captain

-Boy Scout Patrol Leader

Experience

05/2016 - 08/2017

Sales Rep/Cashier

Big 5

-Ensured customer satisfaction

-Maintained knowledge of a vast variety of products and services

-Was responsible for many of the most important shifts such as shoe flip, price flip, and truck stocking

08/2015 - 05/2016

Gym Attendant

New York University - Shanghai

-Maintained gym attendance records

-Ensured cleanliness, patron safety, and proper use of gym assets