

Rubin Thomas

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EDUCATION

Stony Brook University

Stony Brook, New York

- B.S in Computer Science, B.S in Applied Math and Statistics

Class of 2018

- Relevant Coursework:**

Foundations of Computer Science: Honors

Linear Algebra

Current:

Computer Science I/II/III

Data Analysis

Systems Fundamentals II

Systems Fundamentals I

Probability Theory

Algorithms

Machine Learning

Graph Theory and Combinatorics

Networks

Commack High School

- IB Diploma Recipient | Army Academic and Athletic Achievement Award | Captain/MVP - Varsity Track

POSITIONS

Method Test Prep

Plainview, New York

SAT/ACT Tutor

September 2016 – Current

- Developed skills communicating both with clients to organize sessions, as well as with students to discover and remedy weaknesses.
- Currently working with all levels of students, at home and in groups in classrooms, developing explanatory skills breaking down concepts to fundamental levels, as well as working in a team alongside other tutors.

Stony Brook Club Volleyball

Stony Brook, New York

Treasurer

November 2016 - Current

- Strong team atmosphere on and off the court. Responsibilities include negotiating with the school for budget and managing team dues, along with critical roles in executive decisions.
- Pushed for most funding since Club's inception, as well as organized funding of new equipment through sponsorship. (Notably largest, and most well-performing club since inception)

PROJECTS

NBA-Predictor

Java – (Jsoup, Javafx)

- Created and Implemented my own algorithm after studying factors contributing to successful NBA teams and players. Uses data analysis techniques on data for teams and players to predict the winner with a confidence interval for regular season NBA games.
- Constantly being updated. Current success rate of ~70%. Challenges: Data Scraping, Multiple Regression (See NBA-Predictor on Github)

Dynamic Memory Allocator

C

- Designed and Implemented a Dynamic Memory Allocator in C, mimicking functions such as malloc, calloc, realloc and free. Challenges: Debugging (See dynamic-memory-allocator on Github)

TECHNICAL SKILLS

Languages:

Java, C, C++

Experience in: Python, R, M.I.P.S

Web Development:

HTML/CSS, JavaScript

Experience in: JQuery, Node.js

Environments:

UNIX, Windows, Git, NetBeans

Experience in: Vim, OSX