Rubin Thomas

Stony Brook University

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Education

STONY BROOK UNIVERSITY (CLASS OF 2018)

· Major: (B.S) Computer Science and (B.S) Applied Math and Statistics

· Relevant Course Work:

  · CSE 150, 303 (Computational Theory), CSE 114, 214, 219 (Java, OOP, Development Lifecycle)

  · CSE 220 (Assembly), AMS 210, 301, 303 (Combinatorics, Graph Theory) AMS 310, 311, 315 (Stats, DataAnal/R)

  · Current: CSE 320 (Systems II: C), 373 (Algorithms), 310 (Networks), 300 (Technical Writing)

COMMACK HIGH SCHOOL (CLASS OF 2014)

· IB Diploma Graduate | Army Academic and Athletic Achievement Award

Experience and Skills

WORK

· Method Test Prep – SAT/ACT Tutor (2016 – Ongoing)

  - 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.

LEADERSHIP

· Treasurer of Stony Brook Club Volleyball (2016 – 2017)

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

· Captain and MVP of Varsity Track (HS – 2014)

TECHNICAL

· **Proficient**: Java, C   **Strong**: C++, Python, MIPS Assembly

· **Experienced**: R, HTML, CSS   **Other:** Windows, Linux, LaTex, Excel, Word

Projects

· NBA game win/loss predictor using a regressive algorithm (Java)

  - Implemented my own algorithm using data analysis tools in Java to determine the winner of regular season NBA games, using a combination of team and player data from the current season. (See NBA-Predictor on Github)

· GPA Calculator and Class Organizer GUI using JavaFX

  - Desktop class organizer GUI. (See GPA-Calculator on Github)

· Design and Implementation of Dynamic Memory Allocator (C)

  - Implementation of memory allocator functions such as malloc, calloc, realloc, and free. Developed experience in C as well as experience using Linux and Ubuntu OS. Polished skills debugging own code as well as using debugging tools.