

Shawn Tan

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EDUCATION

Texas A&M University - GPA: 3.37

B.S. in Computer Science

College Station, TX

Expected Grad Date: May 2021

Coursework: Introduction to Program Design Concepts, Programming Studio, Data Structures and Algorithms, Introduction to Computer Systems, Computer Organization, Linear Algebra, Discrete Mathematics.

EXPERIENCE

Dwight Look College of Engineering

Engineering Computation Lab I - Peer Teaching Assistant

January 2019 – Present

- Helped teach Python and fundamental programming concepts to a class of over 100 students.
- Worked with professors and other TAs to teach basics of PyCharm, Anaconda, and computational problem-solving.
- Provided weekly tutoring sessions for students and graded labs/exams.

Fundamentals of Engineering II - Peer Teaching Assistant

August 2018 – December 2018

- Worked with professor within a teaching team to provide a learning environment for a class of 100 freshman students.
- Tutored freshman engineering students on MATLAB programming and its applications on engineering problems.
- Taught simple engineering concepts, including introductory topics like physics, chemistry, and the design process.
- Graded homework assignments and exams.

PROJECTS

Buddy System Memory Allocator

- Utilized C++ to create a memory manager that models how a Linux kernel would partition, allocate, and free memory for computer processes via the buddy system allocation method.
- Became familiarized with the Linux command line and development tools, such as the g++ compiler command, GNU Debugger, Git through terminal, and various navigation/file management commands.

SKILLS

- **Proficient:** C++ | **Familiar:** Java, Python, C#, HTML/CSS, MATLAB | **Other:** LaTeX
- **Tools:** Git, Linux

STUDENT ORGANIZATIONS AND ACTIVITIES

- Aggie Coding Club *January 2018 – present*
- Data Analytics Club *September 2019 – present*
- A&M Tennis Club *August 2017 – present*
- Competitive Programming Competition, Texas A&M University *March 2019*