

ETHAN YU

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EDUCATION

Texas A&M University – College Station, TX
Bachelor of Science in Computer Engineering;
Minor in Engineering Project Management

Graduation: December 2023

Relevant Coursework & Skills

- Data Structures and Algorithms
- Discrete Structures for Computing
- Program Design and Concepts
- C++, SQL, Python, Java, JavaScript, LaTeX, sympy
- Introduction to Computer Systems
- Matlab for Python (used in Statistics, Multivariable Calculus, Linear Algebra and Differential Equations)
- MS Office Suite (Word, Excel, PowerPoint, Project)

PROFESSIONAL EXPERIENCE

Infineria – San Jose, CA
Photonic Integrated Circuit Engineer Intern

- Ended in 3 days in due to Covid 19

May 2020 – May 2020

Department of Defense: Innovate for Defense – College Station, TX
Project Intern

January 2022 – May 2022

- Worked with project sponsors: DoD and Essentium (3d printer company), to integrate and streamline 3d printing into the logistical processes of the Texas National Guard
- Collaborated with the project sponsors and 3d printer technicians in the Texas National Guard in order to define the technical requirements to streamline the 3d manufacturing process
- Created and maintained a database of part files with the relevant associated data using SQL
- Created the Front-end GUI designed using Java with a search functionality to output the part file, the estimated printing time, the estimated cost of printing and the associated required system settings for the printer to print such a part
- Currently working on further streamlining the process of 3d printing by linking the database tool directly to the printer in order to create a printer queue so that parts will be printed automatically

LEADERSHIP & ACTIVITIES

Corps of Cadets – Texas A&M University
Scholastics Officer

Fall 2019 – Present

- Most Outstanding Cadet award winner
- Coordinate course scheduling for over 45 cadets
- Responsible for cadets attendance and grades, under my guidance no cadet failed their core courses
- Guided the outfit of around 45 people into the highest GPA of any outfit in the Corp of Cadets

Aggie Coding Club – Texas A&M University

Fall 2021 – Present

- Host professional workshops with guest speakers from various industries

Corp Cyber Operations Team – Texas A&M University

Fall 2020 – Present

- Compete in the annual NSA cyber operations challenge against 15 other schools. Last year achieved third place overall.

Hobbies – Traveling, Aggie Football, Swimming, Cooking, Video Games, Board Games