Justin Le

(832)586-3989 | j622560@tamu.edu | linkedin.com/in/justin-le-3a275a278 | github.com/Ju5t1nL3 | justindtle.com

EDUCATION

Texas A&M University | Engineering Honors — Aug. 2024 – May 2028
Bachelor of Science in Computer Science, Minor in Mathematics, Minor in Statistics — *College Station, TX*

- **GPA:** 4.0000 (4.0000 Scale)
- **Relevant Coursework:** ENGR 102 (Python), MATH 151 (Engineering Calculus I)

Dulles High School | Math and Science Academy — Aug. 2020 – May 2024
High School Diploma — *Sugar Land, TX*

- **GPA:** 4.6290 (5.0 Weighted Scale)/103.7258 (100.0 Scale)/4.0000 (4.0 Unweighted Scale)
- **Rank:** 1/518
- **Relevant Advanced Coursework/AP Scores:** AP Computer Science Principles (5), AP Computer Science A (4), Computer Science III (Beyond AP), AP Calculus BC (5), Multi-Variable Calculus (Beyond AP), AP Statistics (4), AP Biology (5), AP Chemistry (5), Organic Chemistry (Beyond AP), AP Physics 1 (4), AP Research (4), AP Seminar (4)
- **SAT:** 1520 | Math 800 | EVBRW 720
- **Math and Science Academy:** minimum of 100+ hours of community service and minimum of 11 total Pre-AP and above math + science credits required by graduation

EXTRACURRICULAR ACTIVITIES

TidalTamu | DeepRacer Model Builder | *Python* — Sep. 2024 – Present

- Optimized our team's reward model to produce a **25% increase in efficiency** by mapping calculated distances from the center of the track and the next checkpoint to a determined reward values
- Implemented **reinforcement learning** models and **machine learning** techniques in **Python**, leveraging GPU resources to run training models

SciNOW | Co-President — Aug. 2021 – May 2024

- Raised **$2000** for charity by organizing a math and science night for **150 students** over two years
- Expanded outreach by **doubling** the number of elementary schools served by our club, managing communication with the parents of **330 students** across the district, as well as the club's **100+** members

PROJECTS

Presentation Coach | 2024 HowdyHack Winner | *Python, TypeScript, CSS, Flask, Next.js, React, Tailwind CSS* — Sep. 2024

- Using an uploaded mp4, implemented **OpenCV** in **Python** to determine audience engagement through facial recognition and **Whisper** to pull a transcript, identifying repeat and filler words, as well as words per minute
- Built a responsive front end using **Next.js** to visually display audience retention over time as well as when slides changed via **Chart.js**, and utilized **Flask** at the backend to store these time changes and correlate time data with audience engagement

Learning PyTorch | *Python, PyTorch* — Aug. 2024 – Present

- Utilized **deep learning** techniques with **PyTorch** to develop and train linear regression models, optimizing performance through experimentation with epochs and learnings rates
- Leveraged GPU resources to implement **binary classification** predictions using **PyTorch**, refining the model through a standard workflow

Mannequin (WIP)| Aggie Coding Club | *Python, C++, PyTorch, Blender* — Sep. 2024 – Present

- Utilize **C++** and **Blender** for modeling mannequins, then implement **Pytorch** to train models on how clothes should look

Interactive World Map (WIP) | Aggie Data Science Club | *Python, R, SQL, PyTorch, Flask* — Sep. 2024 – Present

- Implement **Flask** and **SQL** to develop a web app for comparing metrics (e.g., economics, climate) between countries and regions, as well as running predictive simulations with the help of **PyTorch**

HONORS AND AWARDS

HowdyHack 2024 Winner | Issued by TamuHack — Sep. 2024

- Developed the **Presentation Coach** mentioned above for the **2024 Howdy Hackathon**, earning **one** of two honorable mentions out of the 45 total teams

The Pete Hunter Dunham '41 Mem Scholarship | Issued by The Association of Former Students — Jul. 2024
Schlumberger Founders Scholarship | Issued by SLB — May 2024
Lechner Scholarship | Issued by Scholarships & Financial Aid at Texas A&M University College Station — Apr. 2024
1st Place Science Olympiad Division C Fossils | Issued by Texas A&M San Antonio — Mar. 2024
2nd Place Science Olympiad Division C WGYN | Issued by Texas A&M San Antonio — Mar. 2024

SKILLS

Programming Languages: Python, Java, TypeScript, JavaScript, SQL, HTML, CSS
Technologies/Frameworks: Pytorch, Next.js, React, Flask, Tailwind CSS, Git
Other Skills: Oral + written communication; active listening; good under pressure; critical thinking; problem-solving; self-motivated; good work ethic; quick learner; great leadership skills

CERTIFICATES

Algorithmic Thinking – Rice University (Coursera) — Oct 2023

- Utilized Python to analyze and solve computational problems at levels of abstraction beyond any programming language