VANESSA LE

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EDUCATION

TEXAS A&M UNIVERSITY, COLLEGE STATION, TEXAS — **DEC 2023**
Bachelor of Science in Computer Engineering (Honors) — GPA: 3.97
Bachelor+ Program in Networking & Cybersecurity — **Summer 2022**

Relevant Coursework

Data Structures & Algorithms, Discrete Structures, Computer Graphics, Operating System, Computer Architecture, Machine Learning, Networking Security, Digital Systems Design, Competitive Programming

SKILLS

- **Software:** C++, Java, Python, JavaScript, Golang, HTML/CSS, React JS, SQL, DynamoDB, LINUX, Docker, AWS, Git, Bash
- **Hardware:** Circuit Prototyping & Simulation, Logics Simulation through Verilog & ZYBO Z7-10 Board, Raspberry Pi
- **Other:** Jira, Scum, MVC, Figma, Confluence, MS suite, LaTex, Cisco Packet Tracer, Wireshark

PROFESSIONAL EXPERIENCE

PWC | INTERN PM, QA & DEV ON RISK PRODUCTS ($40M PRODUCT) — JUNE – AUG 2022

- Oversaw the release of two user stories to the client system
  - Groomed with stakeholders, refined acceptance criteria, communicated with Scrum team and accepted stories
- Tested stories for QA by writing test cases and operating in different client environments and databases
- Fixed Java APIs to set new columns in databases from UI and reduce the number of HTTP requests for data querying

L3 HARRIS TECHNOLOGIES INC. | SOFTWARE ENGINEER CO-OP — MAY – DEC 2021

- Developed an interactive GUI in Java by extending NASA WorldWind to map live position data from airplanes and radar systems; deployed to production in Docker containers
  - Gained recognition from senior leadership for quality product delivery
- Refactored legacy code in C++ for IRAD Automatic Radar Scanning System to accommodate new hardware designs
- Wrote unit and end-to-end tests to verify product integrity

NASA L'SPACE MISSION CONCEPT ACADEMY | LEAD SCIENTIST — MAY – AUG 2020

- Collaborated in a virtual, interdisciplinary team of 12 to design a mission concept on Mars
- Researched the geology of Mars to assess its habitability and biosignature preservation potential
- Produced an intensive Preliminary Design Review (PDR) detailing the mission

INVOLVEMENT

TAMUHACK — NOV 2021 – PRESENT

Director - Software Development Team

- Wrote API end points to in Javascript to allow for the modification of hackathon events from the admin TAMUhack UI
- Designed and implemented the DynamoDB database for managing hackathon events
- Helped organize one of the largest student-run hackathon in Texas

SOCIETY OF WOMEN ENGINEERS — SEP 2019 – MAY 2021

SWElites – Education Committee Co-Counselor.

- Oversaw a group of 10 freshmen in the coordination of academic workshops and STEM related events

SWE Outreach – Engage Committee

- Taught a class of 10-15 middle school students about the applications of STEM through the use of robotic legos

AWARDS/ HONORS

BIGGEST PIVOT AWARD IN 3 DAY STARTUP — FALL, 2020

- Transformed the idea of energy neutrality into a consulting firm specialized in improving energy efficiency in homes

1ST PLACE IN TEXAS A&M REGIONAL ENGINEERING CONFERENCE — SPRING, 2020

- Designed a window protective panel as a bio-inspired solution for severe glass breakage caused by hurricanes