VANESSA LE

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EDUCATION

TEXAS A&M UNIVERSITY, COLLEGE STATION, TEXAS   DEC 2023

Bachelor of Science in Computer Engineering (Honors)   GPA: 3.96

Bachelor+ Program in Networking & Cybersecurity   **Summer 2022**

Relevant Coursework

Data Structures & Algorithms, Discrete Structures for Computing, Machine Learning, Competitive Programming, Operating System, Computer Architecture, Digital Systems Design, Networking Technologies, Information Tech Security

SKILLS

- **Software:** C++, Java, Python, HTML, CSS, JavaScript, React JS, LINUX/UNIX, Shell Scripting, SQL, Docker, AWS EC2, Git
- **Hardware:** Circuit Prototyping on Breadboards & LTSpice, Logics Simulation using Verilog & ZYBO Z7-10 Board
- **Other:** Cisco Packet Tracer, Wireshark, Model-View-Controller design, Scrum, Jira, LaTeX, MS suite, Vietnamese fluency

PROFESSIONAL EXPERIENCE

PWC | INTERN PM, QA & DEV ON RISK PRODUCTS ($40M PRODUCT)   JUNE – AUG 2021

- Oversaw the release of two user stories to client system
  - Groomed with stakeholders, refined acceptance criteria, communicated with Scrum team and accepted stories
- Tested three bugs/tech debts for QA by writing test cases and operating in different client environments & databases
- Fixed APIs to set new columns in databases from FE & modified code to group related data in one HTTP request

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

- Modified legacy codes in C++ for IRAD Automatic Radar Scanning System to accommodate new hardware design
- Port codes between equivalent software and performed troubleshooting to address differences in coding techniques
- Developed an interactive GUI in Java by extending NASA WorldWind to map data from position and entity reports
  - Deployed in a container. Gained recognition from senior leadership for quality product delivery

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
- Fabricated an intensive Preliminary Design Review (PDR) detailing the mission concept

INVOLVEMENT

TAMUHACK   NOV 2019 – PRESENT

Director - Development Team

- Organized the largest student-run hackathon in Texas
- Revamped and updated the club website for upcoming hackathons

SOCIETY OF WOMEN ENGINEERS   SEP 2019 – PRESENT

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 EV3 LEGOS

AWARDS/ HONORS

1ST PLACE IN TEXAS A&M REGIONAL ENGINEERING CONFERENCE   FEB 1 ~ 20, 2020

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

BIGGEST PIVOT AWARD IN 3 DAY STARTUP   OCT 16 ~ 18, 2020

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