

Andrea Larioza

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EDUCATION

Singapore University of Technology and Design

Singapore

- B.Eng. Computer Science and Design, Cumulative GPA: 4.10/5

June 22 to Sep 26

w/ Minor in Data Analytics and AI, Specialized in Software Engineering, Financial Technology

TECHNICAL SKILLS

Design: Adobe Creative Suite, Figma, Videography, Photography, CapCut, Graphic Design, Framer

Software: Python, Java, R Studios, Assembly, JavaScript, HTML, Excel, GitHub, React JS, CSS, Unix, MongoDB, MySQL, MERN, Linux, Golang, Docker, Postgres, MySQL, Next.js, TypeScript, Pytorch, AWS, Outsystems,

WORK EXPERIENCE

Business Analyst Intern, Tech Consulting, Ernst & Young

Jan 25 to Aug 25

- Performed end-to-end maintenance, performance tuning, and CI/CD deployments of a high-traffic website using OutSystems and AWS (S3, Lambda) while ensuring security compliance.
- Optimised SQL databases and queries which reduced data retrieval times to enhance user experience and backend efficiency.
- Triaged and resolved user-reported issues via data patches using SQL, code fixes and UI improvements via Outsystems and AWS.

Co-Founder, Managing Partner, The Acai Truck SG

Sep 23 to Aug 24

- Streamlined daily operations via optimized workflow, ensuring food safety and quality standards.
- Developed new retail products and produced media campaigns to expand market reach.
- Review and oversee financial plans and budgets to ensure sustainable growth and profitability.

Marketing Intern, Marvable Pte. Ltd.

Apr 23 to Aug 23

- Planned and developed media content to raise awareness on products and increase conversion rates.
- Leveraged data analytics and conducted market research to drive successful marketing campaigns.

PROJECTS

Cloud IOT Laundry Tracking Solution

Sept 25

- Developed an end to end solution to track availability of laundry machines via current sensors.
- Used AWS Sagemaker, EC2, IoT Core, MQTT, Postgres RDS to develop an ML model to detect phases of washing and provide estimated completion time based on phases.
- Placed 2nd in DELL Innovation Competition

Facial Recognition Machine Learning Project

Dec 24

- Implemented CNNs and machine learning via Pytorch and OpenCV to identify faces in images

F1 Championships Database Project

Oct 24

- Implemented a database on Postgres to conduct SQL queries on Formula 1 Race dataset.

MERN Request Resource Allocation Website

May 24 to Aug 24

- Developed an interactive website for an industry partner using MERN and AJAX via Waterfall.
- Familiar with full software development project cycle, including managing client relations, implementation, clarifying project requirements, conducted testing using JEST, creating user and sequence diagrams.

Assembly Game Development

Jan 24 to Apr 24

- Developed a memory maze game using FPGA, Finite State Machine, and lucid programming.
- In depth knowledge of Computer Architecture involving Beta CPU

Java App Development

Jan 24 to Apr 24

- Developed a Fitness and Health application for frequent travelers who do not have access to the same gym equipment using Java

Host & Creative Director, SUTD Productions' The Night Shift

Feb 23 to Feb 24

- Spearheaded and directed a popular segment, Late Bites, driving audience engagement.
- Effectively led a creative team, ensuring the production of captivating and professional content.

Good For Tech Essay Competition

2022

- Awarded 3rd place under SUTD Category: Further Applications of Edge Computing