

# 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 2<sup>nd</sup> 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