

# Andrea Larioza

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## EDUCATION

### Singapore University of Technology and Design

Singapore

- B.Eng. Computer Science and Design, Cumulative GPA: 3.9/5  
w/ Minor in Data Analytics and AI, Specialized in Software Engineering, Financial Technology

June 22 to Sep 26

## TECHNICAL SKILLS

**Design:** Adobe Creative Suite, Figma, Videography, Photography, CapCut, Graphic Design, Mockups

**Computer Skills:** Python, Java, R Programming, Assembly, JavaScript, HTML, Excel, GitHub, React JS, MongoDB, MySQL, MERN, Ajax, CSS, Linux, Unix, Golang, Docker, Postgres, MySQL

## PROJECTS

### Innovation Water Filtration Product Development

Oct 24 to Present

- Self-initiated innovation research project to develop a portable water filtration system using strong acid cation resin and activated carbon to reduce hardness in water for those with skin and hair conditions.

### Top 10 Placement , Predicting Discrete Choices Kaggle Competition

July 24

- Using R programming, we developed and tested multiple models including neural networks, XGBoost, Keras, multinomial logit, logistic regression.

### 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.

### 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

### Singapore Water Prize Competition

2019

- Authored a scientific journal on using low-cost biosorbents from abundant waste food products to reduce toxic copper ions in wastewater, conducting extensive testing for their efficacy in treatment applications for low-income countries.

## WORK EXPERIENCE

### Co-Founder, Managing Partner, The Acai Truck SG

Sep 23 to Present

- Streamlined daily operations via optimized workflow, ensuring food safety and quality standards.
- Developed new products and services 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 inform and drive successful marketing campaigns aligned with overall business goals.

### Curriculum Development Intern, Ministry of Education Guidance Branch

Mar 22 to April 22

- Led a project to integrate the concept of forgiveness into Character and Citizenship Education, reaching students at primary, secondary, and tertiary levels.
- Conducted comprehensive research in the development of online lessons on peer conflict resolution.