

Timothy Tan

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PROFILE

Current Student of Singapore Institute of Technology student pursuing a Bachelors of Science with Honors in Computing Science. Previously Interned at Procter & Gamble focusing on Business Analytics, User Testing & UX design.

WORK EXPERIENCE

Procter & Gamble

Mar. – Sep. 2019

P&G is the world's largest consumer goods company home to iconic, trusted brands that make life a little bit easier in small but meaningful ways.

IT Intern Associate

- Appointed to the skincare department to create web/application prototypes for user testing & data analysis
- Co-Built a skincare prototype app using react.js that detects skin issues of users face and promotes the company's products to them
- Conducted user testing for over 50 people using the skincare prototype app and analyzed their data using Tableau, Tobii Glasses Analysis Software
- Created a gamified storyboard using HTML, Javascript and conducted a focus group of 5 people to see the results
- Created a automated basic chatbot using HTML, Javascript, php that replies automatically to user's questions and store their question in php database for analysis

Lumens Auto Pte Ltd

Sep. – Oct 2018

Lumens Auto Pte Ltd is a car rental service that provides industry-leading innovative service offerings to drivers. Grab outsourced to Lumens Auto to promote Grabpay, a new mobile payment service at that time.

Part-Time Sales Associate

- Helped over 100 business owners to install Grabpay's merchant services and taught them how to use Grabpay merchant

Cedele – The Bakery Cafe

Nov. 2016 –Mar.2017

Cedele is a food & beverage chain that specializes in handmade, artisan baked goods

Part-Time Barista

- Preparing Coffee, Sandwiches, Serve customers and managing other ad-hoc duties.

EDUCATION

Singapore Institute of Technology

Aug. 2022 - Present

Bachelors of Science with Honors in Computing Science

Nanyang Polytechnic

Mar. 2017- Mar.2020

Diploma in Information Technology (with Business Analytics Specialization)

Projects done for School

- Tic Tac Toe with GUI in C
 - Created a user-friendly Tic Tac Toe game with a graphical user interface in C.
 - Implemented 2-player mode and a challenging AI with two difficulty levels using the Minimax algorithm for optimal gameplay.
- RaspberryPi LED Control
 - Utilized C programming and Assembly language to control GPIO inputs and outputs on the RaspberryPi.
 - Demonstrated proficiency in low-level hardware interaction for LED control.
- ATM banking system using Java OOP Fundamentals
 - Developed a comprehensive ATM application with basic and advanced features using Java OOP fundamentals.
 - Enhanced security with SHA-256 password hashing, implemented unit testing, and converted the CLI to a user-friendly GUI.
 - Integrated an SQL database for data storage, showcasing strong database management skills.
- Bus Routing Algorithm for Malaysia's free bus service
 - Designed and implemented a bus routing algorithm using Python with the Flask framework for GUI development.
 - Utilized the Haversine formula to calculate distances and implemented Breadth-First Search and Dijkstra's algorithm for efficient route planning.
- Distributed Cloud-Driven Mall Companion using Docker
 - Developed a revolutionary mall companion system hosted on Docker, integrating Quality of Life (QoL) features into a cloud-based application.
 - Addressed challenges of overcrowding, lack of real-time mall congestion information, and the multiplicity of individual mall apps.
 - Implemented a virtual queue system, integrated loyalty program, and real-time features enhancing the overall shopping experience.
- Form Generator using Codeignitor MVC
 - Developed a form generator application using the CodeIgniter MVC design for rendering and saving customizable forms.
 - Implemented the MVC architecture for efficient separation of concerns in handling form-related operations.
 - Created custom libraries to streamline the form creation process, enhancing code reusability and maintainability

SKILLS

- Programs: Tableau, PowerBI, Elementor, Invision, Facebook Ads, Shopify, Microsoft Excel, Word, PowerPoint, Wordpress, GIT, Github
- Languages: HTML, CSS, PHP, Javascript, MySQL, Python, C++, React.JS, Node.JS, C#, Android Studio, .Net

Others

Shopify Online Store

- Created a Shopify Store during the Covid-19 pandemic that sold 'impulse buy' products mainly targeting the North America Region
- Outsourced products from AliExpress
- Ran 3-4 Facebook & Instagram ads which created over 100 impressions, 3 'Add to carts' and ultimately 2 sales

New Property Webpage

- Created a new property launch webpage using Wordpress & Elementor mainly focusing on UX design to generate leads