

My Autobiography

Aaron Preston, Jakarta, Indonesia

My name is Aaron Preston. I was born in Jakarta, the city where I have been living in since I was born 17 years ago. Currently, I am staying with my immediate family; my parents, me and my little sister.

Since I was young, I have explored technology alongside the systems. Those explorations were accompanied by my Athlon FX-6300 personal computer. It was where my fascination toward the world of information and technology came from. I still vividly remember when I saw a movie starred by Jesse Eisenberg called *The Social Network*, besides the villain part of the movie, I really endure the part when Mark able to make a social website that only interact by clicks just to achieve a goal to discover a new type of algorithm that turns to still be used now. That website is called Facemash. Just within a few days, it made millions of visits and clicks which caused the Harvard server to crash, that scene in the movie made my jaw sort of dropped.

This experience led me to be more and more interested in the world of technology. I still remember at grade 4, Computer and Technology was my CCA where I excelled at Scratch alongside observed Flash animation, and Microsoft Office. During the length of my CCA, I made several games using Scratch. My projects are some copies of existing games, such as Atari Breakout, Agar.io, and Apple Snake game. Jumped to grade 7th, I have expanded my knowledge of technology into Computer Systems and parts. I have also followed annual updates on technologies, such as CPUs, GPUs, Audio DACs, phones, and system settings. Fast forward to grade 12th, I summarized my school learning towards Arduino, a microcontroller that sends or receives information by uploading C++ Coding language to Arduino for my components. I have done a handful of Arduino projects, such as a height counter, traffic lights, a small flood detector, a Line Tracker Robot, an RFID or automated parking system, an automatic water dispenser, and an automatic soap dispenser. For now, I am continuing my journey to observe more of technology into Coding and AI.

For now, my thoughts are in limits to just helping my parents by funding myself through Scholarship Programs. I have always wanted to pattern my life with a job that acts as my hobby, which explains my major choice for Information Technology as it is in my pursuant hobby to the patterns of my life. I want to contribute to the development of technology.

Nowadays almost everything is just automatized, traffic lights automatically turn green or red based on live traffic, coffee is automatically brewed to your liking, and parking gates or any gates open just by card, face, or plate identification. But wouldn't things change if everything is just combined into one, just an example from what we have now called Google Home, where if you say "Hey Google, I'm Home" AI detects the saying and identifies it as a sign to open curtains, brew your favourite coffee, turn on the lights, and other products or machine that you set up for it to do as you command. But, what if AI in the outside world is also combined?

Imagine at night alone on the street, you were walking on the sidewalk, then suddenly you feel sudden weakness that continues to result in your collapsing, sudden an ambulance is dispatched, and its quick arrival increases your chance of living. Turns out those happen due to an AI camera silently observing the street for potential threats or incidents, the technology of AI is not for accompanying or helping you only, it can be used to save lives. It also can be an effective tool in assisting people with their daily life, for examples; an AI-friendly features could also be used for the elderly, where they will follow and remember their activities, their medications, do chores for them, and act as a talkative friend to them. Wouldn't it be great and effective to have AI combined with us in the outer world?