鄒思樂
CHOW, Sze Lok (Ice)

嘉諾撒聖瑪利書院
ST MARY'S CANOSSIAN COLLEGE

- Kid-AID 及 Elder-AID — 創辦人 (2022-現在)
  Kid-AID & Elder-AID – Creator (2022-present)
- 「童擁AI」CODING ∞ 科技比賽暨作品展2023 — 中學組冠軍 及最佳演繹獎 (2023)
- INTOC Global 2022 International Science Project Competition
  – Physics and Engineering Category Golden Award (2022)
- 人工智能及創新科技比賽2022-2023 — 冠軍 及 最佳演繹獎 (2023)
  Artificial Intelligence, Innovation and Technology Competition 2022-2023
  – Champion & Best Presentation Award (2023)
- 港島及九龍區中學校際田徑比賽（第二組別） 女子丙組400米 — 亞軍 (2022)
  HK Island and Kowloon Inter-School Athletics Competition 2021-2022 (Division Two)
  Girls C Grade 400m – First Runner-up (2022)

年幼的我早已深深受電子產品及科技吸引。有幸得到家人和學校的支持，我才有機會發展自己在STEM方面的興趣，成為一個熱愛創作和研究科技產品的人；此外，用我對創科的熱誠回饋社會亦因此成為了我最大的抱負。

去年，虐兒事件接二連三被揭發。我閱覽着相關報章，受害者被虐待的狀況使我心痛之餘，亦激發了我的思考：這些事件沒被發現得更早，只是因為受害者沒有說出來嗎？雖然不少兒童中心均有閉路電視，但實際上會否有因疏忽而被忽略，甚或被隱瞞的案情？本港並沒有任何被普及的解決方案，所以我決定親自採取行動。

我花了半年時間，帶領隊員研發人工智能系統KID-AID，使用影片分析科技偵測疑似身體虐待之行為。這段路程裡的一點一滴使我百感交集、讓我對自己夢想更有肯定：

在研發和創作的過程之中，無論是在進行研究、編程、還是測試，我都能感受到自己的雀躍，因為我知道自己在善用自己的技能來為世界帶來改變；當中也有感到懊惱和質疑自己的時候——在訓練AI模型時使用一部十二歲的手提電腦會使其容易過熱，而由零開始學習一種新的編程語言亦相當困難。可是，想起虐待對受害人那些不可彌補的創傷後，我心中的火就會再次被燃起，推動我堅持下去，幫助無辜的兒童。

最後，我的努力並沒有白費。經過多番嘗試，我的發明品能成功偵測到虐待行為，並發出警報。我得到機會在各種科技發明展上分享我的作品，例如香港創科展、墨西哥的訊息矩陣比賽展等等。我亦有幸出席報紙和電台節目訪問，提高大眾對虐兒的意識。此外，我創作了KID-AID的變奏版、針對老人院虐老的事件。

透過這次的科創，我不僅獲得了關於人工智能的知識，我還意識到一個人的主動能對社區有着如此大的影響。一件發明品的價值並非取決於它有否未使用最嶄新的科技，而是它的功用是否對社會有意義。「傑出」的人也一樣——我們未必有着同樣的技能或熱誠，但只要我們都願意善用自己所擁有的來貢獻社會，我們都是用自己獨一無二的方法，做一個「傑出」的自己。

I have been fascinated by electronics and technology from a young age. Thanks to the support from my family and school, I have been able to develop my interests in STEM, becoming a person who enjoys creating inventions to solve daily problems. It has also become my dream to give back to society with my passion some day.

Last year, news about physical abuse in local childcare centers broke out. While I was reading about how the mistreatment the victims received, my heart ached and I pondered some questions: Why weren't we able to find about these abuse cases earlier? Was it only because the victims didn't speak up? Was it possible that the CCTVs weren't checked thoroughly, or someone had chosen to hide the incidents? There weren't any solutions widely used in Hong Kong, so I decided it was time to take matters into my own hands.

In half a year, I led a team in the creation of Kid-AID, an AI-based system that makes use of video recognition technology to detect suspected physical abuse in camera footage. Throughout this journey, I have experienced a rollercoaster of emotions that have further solidified my purpose and passion: when I immersed myself in my work,

whether it be conducting research, coding, or testing my project, I felt a sense of excitement jumping into a boundless space of creativity, knowing that I am utilizing my skills to make a tangible difference in the world.

There were also moments when I experienced frustration and self-doubt. I was using a 12-year-old laptop for my project. It constantly overheated, telling me it had insufficient computing power. I had difficulties picking up a new programming language. However, when I remembered the devastating impacts of abuse, the determination to make things right became the driving force behind my project, igniting flames within me to create a solution that could alleviate pain suffered by the young and innocent victims.

In the end, my hard work paid off. My project has been successful in detecting and alerting users of suspected abuse. I was given the chance to present our ideas and creations at numerous science fairs, such as the Hong Kong Science Fair, and the InfoMatrix fair in Mexico. I also attended some newspaper and radio interviews to raise awareness of the issue. Besides, I created Elder-AID, a fine-tuned variation of Kid-AID that aims to combat abuse in elderly nursing homes.

Through this project, not only did I gain hard skills related to artificial intelligence, I also realized the impact a single person's initiative can have on a community. A good invention may not always be using the most groundbreaking, brand-new technologies; in fact, different inventions make use of different mechanisms — what is more determinant to their value is their purpose in society. This also applies to "outstanding" individuals — we may not share the same abilities or interests, but we are all outstanding in our unique ways if we make use of what we have to serve others.