LIANA LING LI YA

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This Document: **Coded with LaTeX**

EDUCATION

- **Tunku Abdul Rahman University College**   Kuala Lumpur, Malaysia

  Bachelor of Computer Science (Honours) in Software Engineering; `CGPA:3.9744`   *Oct 2019 – Oct 2022*
  Foundation in Science; CGPA: 4.0000   *Sep 2018 – Sep 2019*

  - **Skills Acquired:** C++, C♯, Java, Python, ASP.NET, SQL, HTML/CSS/Javascript
  - **Languages:** Proficient in written/spoken Chinese and English; Conversational in Malay

EXPERIENCE

- **LS SMART MACHINERY (M) SDN BHD**   Seri Kembangan, Malaysia

  Junior Software Developer   *May 2021 – Jun 2021*

  - **Requirement Elicitation:** Communicated and documented stakeholder requirements
  - **Project Reporting:** Researched and reported on competitor analysis and project costing
  - **Database Design:** Designed, documented and implemented PostgreSQL database schema
  - **Backend Setup:** Connected application to Stripe API using Golang and Fiber.ctx

- **RSBAITAI by Turcomp BMB SDN BHD**   Work from home, Malaysia

  Chinese-English Translator   *May 2020 – Nov 2021*

  - **Translation:** Translated and proofread 80+ blog articles and 2 published books
  - **Translation Management:** Created a database using Excel Macros for article tracking

- **Chill Solutions**   Work from home, Malaysia

  Senior Translator   *Nov 2019 – May 2020*
  Junior Translator   *Aug 2019 – Oct 2019*

  - **Translation:** Translated 40+ web novel chapters from Chinese to English
  - **Proofreading:** Proofread and gave feedback on 35+ works by junior translators

- **Chempaka Kota Kemuning, Assembly of God**   Shah Alam, Malaysia

  Chinese Teacher   *Aug 2019 – Oct 2019*

  - **Tutoring:** Handled 3 classes of age groups ranging from 5 to 15 years old

PROJECTS

- **SliGen, AI Automatic Slide Generator**   Natural Language Processing

  Transformer, Python, Flask   *Oct 2021 – Mar 2022*

  - **Model Training:** Fine-tuned a HuggingFace T5 model on the ArXiV dataset for title generation
  - **Core Algorithm Implementation:** Summarised text using transformers, converted into Markdown and generated slides via SliDev API
  - **API Construction:** Constructed API interface with Flask for linking to web-based application

- **Cataclysm, Cat Detector**   Image Processing

  Haar Cascade Classifier, Python, Threading   *7th Mar 2022*

  - **Cat Frontal Face Detection:** Processed frames from IP camera via Android phone with haar cascade classifier
  - **Threading:** Started two threads to delay notifications sent via Telegram Bot API

- **Summarize, AI Text Summariser**   Natural Language Processing

  Transformer, Python, Jupyter Notebook   *Sep 2021 – Oct 2021*

  - **Algorithm Implementation:** Researched and applied 3 abstractive summarisation algorithms

- - **Algorithm Comparison:** Designed an experiment, curated relevant dataset, tested algorithms and produced a comparison report that eventually achieved 98/100 marks
- **Art Gallery Website**   Web Development
  C♯, ASP.NET, Vue, Tailwind CSS, HTML/CSS/Javascript   *May 2021 – Oct 2021*
  - - **Frontend Development:** Created 5+ pages using self-learned Tailwind CSS and Vue
  - - **Backend Development:** Added intra-page and inter-page functionalities using C♯
  - - **Database Design:** Designed, documented and implemented SQL Server schema

ACADEMIA

- Ling, L., Amirul Imran Ahmad Azam, Ramanathan Palaniappan, & Tin, T.T. (2021, November 25-27) *Artificial Intelligence Art: Attitudes and Perceptions Toward Human Versus Artificial Intelligence Artworks.* [Paper presentation]. ICHESMET 2021.

ACHIEVEMENTS

- **TARUC President's List certificates:** For GPA 3.9000 and above
- **TARUC Certificate in Soft Skills:** For foundation
- **Malaysian University English Test (MUET):** Band 5
- **Nanjing University Translation in Practice Online Course Certificate:** Certificate of Completion
- **Cisco Networking Academy CCNA Routing and Switching:** Introduction to Networks Course Completion Certificate
- **Secondary School Awards:** Most Disciplined Student, Highest Average Score, Highest Number of Modules Completed in 2015, 2016 and 2017

ACTIVITIES

- **Google #GCPBoleh**   Google
  Self-Learning Student   *Oct 2021 – Nov 2021*
  - - **Tutorial:** Completed 5 Machine Learning and 1 BigQuery Data tutorials on GCP

- **Google Developer Student Club TARUC**   Google
  Marketing & Creative Lead   *Jan 2021 – Oct 2021*
  - - **Account Management:** Managed communication channels on 5 social media accounts
  - - **Poster and Caption Design:** Created event posters and relevant captions
  - - **Event Hosting:** Hosted and facilitated the event *Meet the Xperts: A Journey in the IT Industry*

- **Programming League National 2020**   University of Malaya
  Participant   *29th Feb 2020*

- **Innovation and Prototyping Competition 2019**   TARUC
  Participant   *Feb 2019 – Mar 2019*

- **Violin for Beginners Level 1, 2 and 3**   TARUC
  Participant   *Mar 2019 – Dec 2019*

- **Foundation in Science (Track A)**   TARUC
  Class Representative   *Sep 2018 – Sep 2019*
  - - **Administration:** Collected fees and printed learning materials for a class of more than 15 people
  - - **Coordination:** Communicated with the school management, lecturers and students