Clarence Cheong

Curriculum Vitae

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Education

- M.S. in Information Technology, Multimedia University, 2019 (expected)
  - Thesis Topic: Extraction and Retrieval of Object Semantics for Long-Term Car Park Surveillance Videos
- B.Eng. in Electronics Majoring in Multimedia, Multimedia University, 2012
  - Thesis Topic: Speaker Voice Recognition
- Diploma in Technology, Mechatronics, Tunku Abdul Rahman College, 2008

Work experience

- Oct 2016 - Current: Research Scholar
  - Multimedia University, MY
  - Project: SHERLOCK: Video Analytics for Multi-Camera Long-term Surveillance in Smart Cities
  - Supervisor: Professor John See
- Nov 2018 - Feb 2019: Freelance Project
  - Project: Retail Store Analytics using Video Feed
  - Responsibilities: Develop a solution to extract customer's information such as location, clothing preference, entry/exit, visited aisle, payment counter, and etc using video feed.
- Summer 2018: Research Intern
  - National Chung Cheng University, TW
  - Project: Vehicle Trajectory Classification using ML
  - Supervisor: Professor Wen-Nung, Lie
- Sept 2012 - Sept 2016: Application Management Service Delivery
  - Hewlett Packard Enterprise, MY
  - Responsibilities: Provided 24/7 Service Delivery Support for a local bank's (CIMB) core payment systems which includes IBG, Direct Debit, Autopay, Remittance as well as PTPTN system. While providing technical support, I would be liaising with the clients and IT operations team. Along with that, during the tenure I was also working on the CIMB 1P (1 Platform) project to develop extraction programs based on client's requirements.

- Supervisor: [Chor Pheng Khee](#)
- Aug 2010 - Jan 2012: Research Assistant
  - Multimedia University, MY
  - Project: Content Management System (CMS) for Multimedia University Staffs to report their R&D progress as well as contributions. The system went live from 2012 and was decommissioned on 2017.
  - Supervisor: [Dr Chin Ji Jian](#)

Skills

- Frameworks:
  - OpenCV, Docker
- Languages:
  - C++, JavaScript, Python, SQL, PHP, VB, HTML, CSS, MATLAB, PowerShell, Unix Shell Scripting
- Mainframe:
  - COBOL, JCL, CA-7, z/OS

Publications

- **On vehicle state tracking for long-term carpark video surveillance**
  Lim, R. W. S., Cheong, C. W., See, J., Tan, I. K., Wong, L. K., & Khor, H. Q. (2017, September). On vehicle state tracking for long-term carpark video surveillance. In Signal and Image Processing Applications (ICSIPA), 2017 IEEE International Conference on (pp. 368-373). IEEE.

- **Vehicle Semantics Extraction and Retrieval for Long-Term Carpark Video Surveillance**
  Cheong, C. W., Lim, R. W. S., See, J., Wong, L. K., Tan, I. K., & Aris, A. (2018, February). Vehicle Semantics Extraction and Retrieval for Long-Term Carpark Video Surveillance. In International Conference on Multimedia Modeling (pp. 315-326). Springer, Cham.

Awards

- 2018
  - International Invention, Innocation & Technology Exhibition (ITEX), Malaysia: Silver Medalist (ICT & Multimedia - University & Research Institute Category)
  - Malaysia Technology Expo (MTE): Invention & Innovation Category: Bronze Medalist
  - A.I Hackathon for Good: 2nd Runner Up
- 2017
  - Research Innovation Commercialisation & Entrepreneurship Showcase (RICES): 1'st Runner Up