



LEOW Chee Kiong

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Particulars

Date of Birth: 20 October 1973
Sex: Male
Marital Status: Single
Nationality: Singaporean

Computing Skills

Image processing: segmentation of image. 3D models from 2D sequences.

Some experience with SQL, DES, 3DES, Cryptography, Authentication, Hashing, Digital Signature, GSM, SIM. Implementation of published technical papers in C/C++.

Programming in the following languages:

C, C++, Pascal, Basic, Prolog, Tcl/Tk, assembly languages.

Development under Unix - Linux and HP-UX. Application development using Borland Delphi and MS Visual C++.

Enjoy using Adobe PhotoShop and Macromedia DreamWeaver for making web pages.

Work Experience

April 1998 – July 1999, (Aug 1998 – July 1999, Contract) Software Engineer, De La Rue Card Systems.

Development of end user application for personalising GSM SIM. Provide technical support for Singapore, Taiwan and China. Creation of specification for GSM/PCN SIM personalisation. Co-ordination with French engineers.

Dec 1995 - Mar 1998, Development Engineer, T&C Technologies Ltd.

Implemented a prepaid IC card ticketing system for Ice Skating Arena.

Technology used include basic applied cryptography. Key issues include the implementation of security on a protected memory IC card.

Developed applications for GSM Subscriber Identification Module (SIM).

Developed the IC card loyalty system for The Mall and Emporium shopping chain in Thailand. System integration using components from various manufacturer, including IC (Smart) cards from Incard, ACS card reader, CIM card personalisation machine and Schlumberger EFTPOS terminal. Work in Thailand for a period of four months. Project co-ordination under tight schedule with Thai engineers. Developed front-end application for SQL backend server.

Jun 1993 - Nov 1995, full-time National Service.

Education

July 1998 - July 2001, Diplôme d'Ingénieur de Ecole Supérieur d'Ingénieurs en Electronique et Electrotechnique, Paris, France, décerné avec felicitacion du jury, Majeure Informatique.

This is equivalent to a MSc degree with honour, majoring in Computer Science. Awarded with distinctive results in Linear Algebra, Probability and Statistics, Algorithms and Programming, and Microprocessors. My major includes the following subjects (in brief): RISC, Language Theory, Compiler, Logic Programming and Prolog, Linear and Dynamic Programming, Graphs Theory and Algorithms, Image Processing (including Morphological and Topological Operators).

My project focused on the segmentation of medical images (Computed Tomography). Developed an application to generate contour of segmented images and functions to edit the contours for lay-users. Technology applied includes generation of 3D models from a sequence of images and Optimum Approximation of Planar Curves with line segments.

June 1990 - June 1993, Diploma in Electrical Engineering, Singapore Polytechnic

Obtained distinctions in the following subjects: Microcomputer Engineering, Electronic Engineering, Digital Electronics & Microprocessor Engineering, Computer Programming and Mechanical Engineering Science. Also awarded 11A, 4B and 6C in 3 years. Awarded A for final year project and internship.

Internship in Gemplus Technologies Asia (Smart Card) and ABB National Industries (High Power Transformers) - about 2 months each.

1985-1989, Cambridge 'O' Level, Geylang Methodist Secondary School

Languages

Spoken and Written: English and French.
Spoken: Mandarin, Hokkien, Cantonese.
I attained a score of 653 for TOEFL in November 1995.

Interests

Jogging, Reading, Skiing, Listening to Music, Scuba Diving, Web page design, Computer Graphics, Artificial Intelligence and Travelling.

Referees

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Technical Director, Advance Card System