TERENCE

SOFTWARE ENGINEER

CONTACT

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0922-743-217

Email
terence.lin.software@gmail.com

City/Region
Taichung City / Hsinchu City

EDUCATION

✔ **2004 - 2008**
Master Of Science
Dept. of Comm. Eng., NCTU

✔ **1995 - 1999**
Bachelor Of Comp. Sci.
Dept. of Comp. Sci., NCTU

LANGUAGE

- Mandarin
- English

ABOUT ME

- ✔ 10+ years of diverse software development.
- ✔ Strong problem-solving and communication skills, able to work effectively both independently and in a team.
- ✔ Experienced in frontend technologies like HTML, CSS, JavaScript, and Pug.
- ✔ Skilled in backend technologies such as Spring Boot, RESTful APIs, Postman, and Docker.
- ✔ Skilled in working with various databases such as SqlServer, SQLite, MySQL, MongoDB, and Redis.
- ✔ Knowledgeable in software configuration management tools like SVN and GIT, and testing methodologies such as JUnit and CppUTest.
- ✔ As a quick learner, I am glad to explore and learn new software fields.

WORK EXPERIENCE

✔ **Backend SW. Engineer/Bobi Tech. 2022/9~2023/8**
Followed CI/CD processes to develop, deploy, and maintain Restful APIs for the backend using Docker and Kubernetes, making them online for frontend integration.

✔ **Sr. SW. Engineer/Jasper Display   2016 - 2022**
Developed apps for MicroLED and IC wafer testing.

✔ **Sr. SW. Engineer/Coptimal Logics   2013 - 2016**
Responsible for developing a cargo container 3D item placement optimization tool using C# and Silverlight.

✔ **SW. Engineer/UniMiner   1999 - 2004**
Developed a **data mining** package software implementing algorithms with a visualization toolset. Led 4 people and managed over 300,000 lines of source code.

MY SKILLS & EXPERTISE

- ✔ Software Configuration Management: SVN, GIT
- ✔ Operating Systems: Linux, Windows, DOS, CentOS
- ✔ Backend: Spring Boot, RESTful APIs, Postman, RabbitMQ, Docker
- ✔ Programming Languages: Python, C#, C++, Java 8, Assembly (x86/Arm), Bash, C, SQL

AWARDS AND HONORS

- ✔ Ranked 4th in Taiwan in the Computer Science Competition organized by the Ministry of Education
- ✔ Ranked 1st in Southern Taiwan in the Computer Science Competition organized by the Ministry of Education

Terence Lin

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OVERVIEW

Over 10 years of software development experience ● Excellent knowledge of the software development life cycle ● Strong problem-solving and communication skills ● Can work independently or in a team

PLATFORM & SKILLS

- Languages: Python, C#, C++, Java 8, x86/Arm Assembly, Bash, C, and SQL
- Frontend: HTML 5, CSS3, ES6, JavaScript, and Pug
- Backend: Spring Boot, RESTful APIs, Node.js, Postman, RabbitMQ, Docker, and Kubernetes
- Databases: SQLite, SqlServer, MySQL/MariaDB, MongoDB, DynamoDB, and Redis
- SCM (Software Configuration Management): SVN and GIT
- Testing: TDD, Junit, and CppUTest
- OSes: Linux, Windows, DOS, CentOS

WORK EXPERIENCE

- **Bobi Technology - Software Engineer (2022/9~2023/8)**
  - **Skills**: CI/CD, Docker/Kubernetes, and Restful API
  - Followed CI/CD processes to develop, deploy, and maintain Restful APIs for the backend using Docker and Kubernetes, making them available for frontend integration.
- **Jasperdisplay - Software Engineer (2016/9~2022/8)**
  - **Skills**: Python, Assembly, JavaScript, wxPython, and Matplotlib.
- **Coptimal - Software Engineer (2013/1~2016/6)**
  - **Skills**: Optimization algorithms, C#, Visual Basic, and Silverlight.
  - Created a cargo 3D placement optimization system. Customer Emirates Airlines increased the load factor by 15%, and the overall monthly revenue grew by 2 million $USD."
- **Compal Communications, Inc - Android Engineer (2007/1~2012/6)**
  - **Skills**: C++, Java, JNI, and Android SDK.
  - Wrote pre-installed apps for smartphones.
- **University CM-VLSI Lab - Software Engineer/Lab Assistant (2005/1~2008/6)**
  - **Skills**: C, C++, Java, Java2D, Matlab, and Sun Blade workstations.
  - Developed "VLSI" thermal simulator.
- **Uniminer.com (Startup) - Software Engineer (1999/6~2004/7)**
  - **Skills**: C++, SVN, Java, JDBC, Java2D, and InstallShield.
  - Developed a data mining package implementing major algorithms with a visualization toolset.
  - Developed ETL and data pipeline with data cleaning and missing value solver capabilities.
  - Had been Microsoft's Enterprise Business-Intelligence Solution Partner.
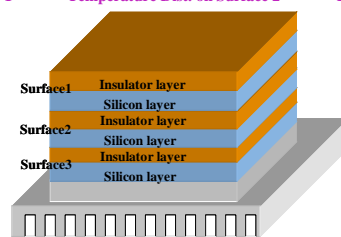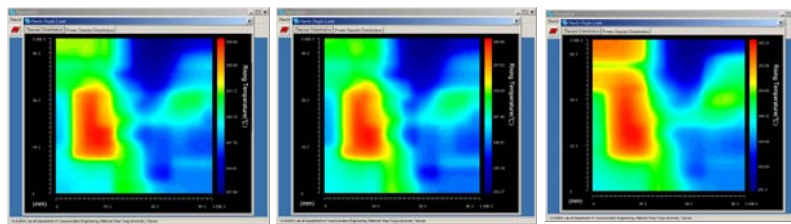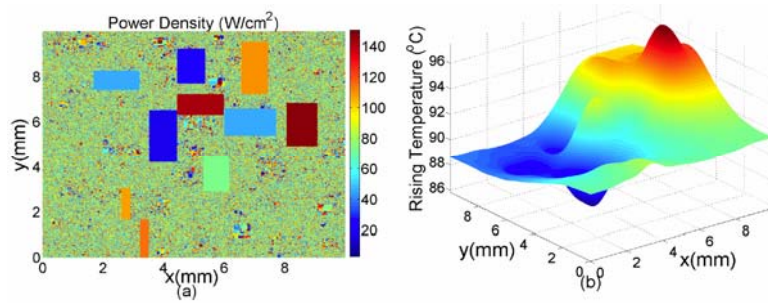 - Worked as a leader with 4 people and managed over 300,000 lines of source code.

EDUCATION

M.S., Dept. of Comm. Eng., NCTU, Taiwan, 2008.   B.S., Dept. of Comp. Sci., NCTU, Taiwan, 1999.
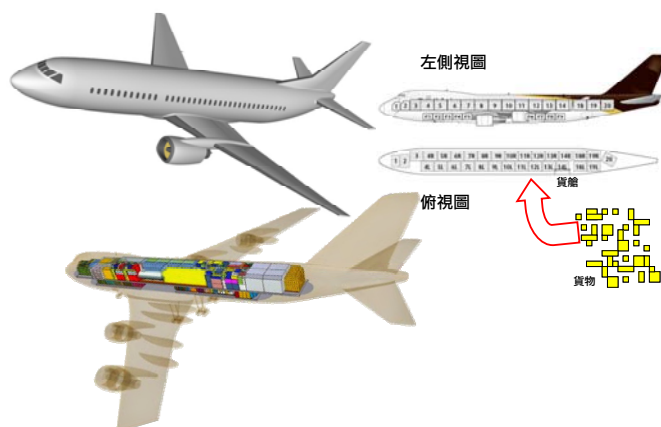
COMPETITIONS AND HONOURS

- Ranked 4th in Taiwan, in the **Computer Science Competition** organized by the MOE
- Ranked 1st in Southern Taiwan, in the **Computer Science Competition** organized by the MOE
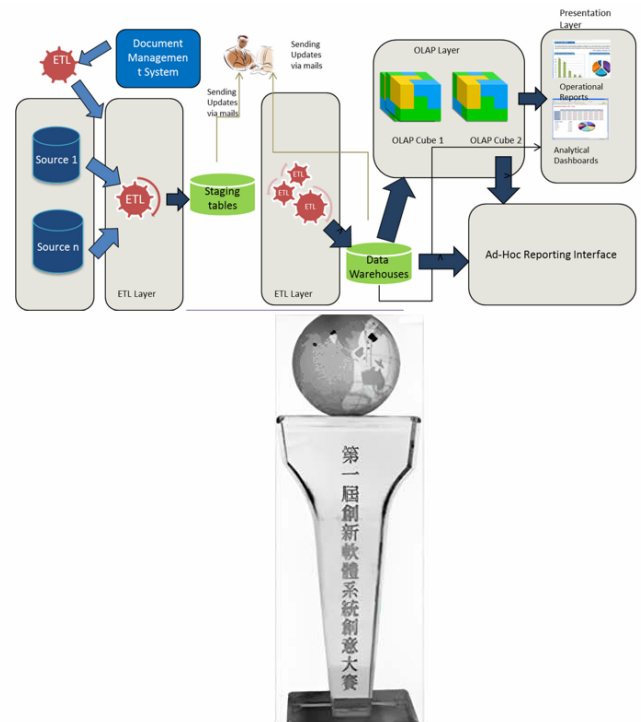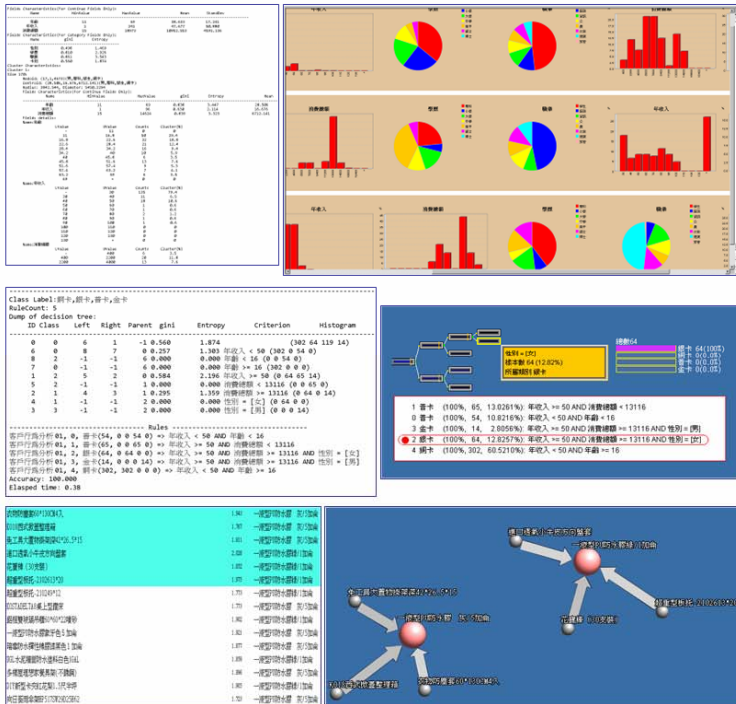
CAREER PORTFOLIO	Full-Chip Thermal Simulator (in C and Java)

Temperature Dist. on Surface 1   Temperature Dist. on Surface 2   Temperature Dist. on Surface 3

CAREER PORTFOLIO	Cargo 3D Placement Optimization System (in C# and Silverlight)

CAREER PORTFOLIO Data Mining (in C++, Java, and Swing)

- Clustering, classification, and association rules
- Visualization and corresponding reports
- Data pipeline from ETL, missing value and data cleaning
- Association patterns and sequential patterns
- C4.5 Decision Trees Machine Learning and clustering
- Using Java RMI for client/server access control and session management

↑ Pipeline for ETL / ODBC to Data Warehouse

↓ "Fine Piece" Award from Taiwan government