**MARK CHEN**

**My Resume in Chronological Order**

**Or My Mini Autobio**

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| **1963** | **Birth** | Born in a small village in eastern China, near Shanghai, to the greatest mother of human historyOne of the most **diligent** boys in the village |
| **1978** | **Bachelor Studies** | Began my Bachelor of engineering studies at Tongji University, majoring thermal power machines Excelled in **math**Read all the shelves of the University Library – philosophy, history, world literature, Chinese poems, arts, languages, etc etc. Considered as **erudite** already at that early year of my life |
| **1982** | **5 Languages** | Speaking **five foreign languages**: English, German, French, Russian and Esperanto at the age of 19 |
| **1983 - 1986** | **Ministry of Machinery** | Worked at the **Ministry of Machinery Industry** in Beijing, China’s capital, at 20, meeting with the highest government officials, incl. vice premier and ministersStudied political science and post-WWII reforms in several key nations worldwide to prepare for China’s own reforms |
| **1986 - 1989** | **Masters’ Studies****Violin****Finance** | Back to Tongji University for Masters’ degree in thermal physics (combustion theory) + music and paintingPlayed **violin**Studied international finance and trade |
| **1989.06** |  | **Death of Freedom & Democracy**  |
| **1989 - 1994** | **Guangdong Power****Dayabay Nuclear****Siemens Heimann****PhD** | My stays in Guangdong – Guangdong Power Design Institute for designing a 300MW coal-fired powerplant unit, and Daya Bay Nuclear Power Plant for quality assurance of the construction and commissioning of the 2x1000MW commercial nuclear power plants. Oversaw the quality department of Siemens Heimann in ShenzhenAcquired **PhD candidacy** to several Western universities such as:* **University of Glasgow** (PhD for gas turbine combustion research, 1991)
* **Université de Pierre et Marie Curie in Paris** (University of Paris VII), (DEA de Cinétique Chimique Appliquée, option catalyse, Laboratoire de Réactivité de Surface et Structure, 1991),
* **Université Laval** (Doctorat en Genie Mecanique, Faculte des Sciences et de Genie, 1992, Canada),
* **Université de Provence** (Formation Doctorale et DEA de Mecanique Energetique et Transferts Thermiques et Combustion, 1991),
* **Universität Gesamthochschule Essen** (Maschinenbau, Höhreres Semester, Germany, 1992), after a German test

But I did not go to studies for an engagement with a lady from Taichung, Taiwan, my very first and only love in my life. |
| **1994 - 1997** | **TÜV Rheinland** **Alstom****Harvard****Marriage** | Continued my quality management career at TÜV Rheinland Shanghai as its market **pioneer**Worked for Alstom Shanghai as its East China division head, responsible for its 3 divisions – navy, power and industrials, with a market volume of about then **13 billion USD** In between ready to go to **Harvard for an MPA studies** but cancelled again out of the advice of my boss. Married with a girl from Beijing, divorced pretty soon out of conflicts in life philosophy and value. |
| **1997 - 1999** | **Deutche Babcock****IT & Web** | Purchasing manager at Deutsche Babcock Beijing, with purchasing volume of **hundreds of millions of USD** of utilities boiler componentsStarted to learn web technologies which later has dominated my life, career and business. |
| **2000 - 2001** | **IT & Web** | Started my own business in IT consulting in Shanghai, a place considered my home. Able to acquire a **million RMB** contract for developing a beer industry portal for a business man from Beijing. |
| **2001 - 2006** | **IT & Web, Power****Solar portal****Solar PV expert****Solar reports****Mountaineering** | Continued my IT and power consulting business in Hangzhou.Successfully developed my **multimillion solar portal** in English where people worldwide could find information about the booming Chinese solar industry. Recognized by major international solar associations.Won **hundreds of million Euro solar modules** purchasing contracts from Germany and EuropeRecognized as a **solar PV expert** by the US Department of Energy, Renewable Energy Labs.Sold my solar monthly reports in English to worldwide clients incl. those big guys.Debuted my life as a mountaineer and keep this habit till today. Mountaineering is now becoming my only hobby and source of joy and satisfaction, apart from my love of cats. |
| **2006.11** | **Father** | **Father died. My first major hit in my life, the beginning of my tragical life.** |
| **2007 - 2011** | **Power****IT & Web****Languages****Yachts****Business Air****Thermodynamics****Fluiddynamics****Math****Cryptography****Graph Theory****Solar Thermodynamics****SDA Churches****Theology****Russian****Greek****Latin****Hebrew** | Continued with my business in power, IT, languages, and some luxurious markets such as yachts, business aviation etc in Hangzhou but all failed.Changed my career from business oriented to academic oriented, beginning from thermodynamics, and then shifted to a number of other areas of sciences and math, incl. solar energy and physics, flow dynamics, cryptography, math, graph theory etc. See list below:* VLSI Chip technologies
	+ Next generation chip / VLSI technologies, incl
		- * Graphene based FET – current focus
			* Quantum circuit
			* Spintronic circuit
			* Superconducting circuits
			* Many, many others
* Mathematics (2010 to today)
	+ graph theory – graph data structure and graph embedding
	+ Number theory related to cryptology
	+ Differential and integral equations
	+ functional analysis and
	+ numerical computation
* Fluiddynamics (2010)
	+ Micro/Nano Flows
	+ CFD - computational fluid dynamics
* Thermal Physics & Thermodynamics (2008-2009)
	+ Nanothermodynamics,
	+ Mesoscopic Thermodynamics (Thermodynamics Of Small Structures),
	+ Cosmic Thermodynamics Or Thermodynamics Of The Universe,
	+ Thermodynamics Of Cancers,
	+ Thermodynamics & Thermophysics Of Life, and Biology
	+ Solar Thermodynamics & Thermophysics,
	+ Thermodynamics And Thermophysics In Solar Radiation And Measurement,
	+ Thermodynamics Of Solar Energy Systems, Solar Technology, Industry And Applications
* Solar related (2007-2008)
	+ Solar physics,
	+ Solar radiation and its measurement technologies,
	+ solar aviation and aerospace,
	+ solar photovoltaics

Details see my personal sites.Invited to Qinghua University as a visiting scholar for **solar thermodynamics** research by a famous academicianJoined the SDA church in early 2005, baptized and active in services. Planned to introduce the SDA higher education system into China after a theology study.Started to recover my Russian, and began to learn Latin, Greek and Hebrew in preparations for a theological study at the SDA church but failed out of cost considerations. |
| **2011 – 2013**  | **Huzhou** | Returned to Huzhou city downtown after failure in get accepted into the PhD programs both at Zhejiang Uni and Nanyang Uni, Singapore.Continued with my researches in math and sciences |
| **2013 - 2016** | **Homevillage****IC Technologies****Quantum computer****Spintronics****DNA****Hundreds of books****Business in power industry** | Returned to my home village to accompany my motherContinued with my research, started with my new research areas of IC technologies in a variety of fields such as quantum computer, DNA computer, spintronics computer and dozens of others with focus on superconducting quantum bits (qubits)Authored **hundreds of notes, booklets and presentations** of topics amounting to tens of thousands of pages in the above mentioned areas over the last 10 years or so.Negotiated for a **billion Dollar gasturbine project** with a Russian power plant, failed. |
| **2016.3.11** | **MOTHER** | **MOTHER DIED. THE DARKEST DAY OF MY WHOLE LIFE. EVERY IS DEAD AND THE WORLD IS NO MORE.**  |
| **2016 - 2020** | **Null** | Stopped. |
| **2020.6 – 2021.9** | **Hangzhou****Theology****WeMedia****Fintech, IT and language****IC Design****Satellite broadband****modems** | Came to Hangzhou China again for survival.Cancelled my plan for theology study in Belgium (**KU Leuven**) Nov last year 2020Started WeMedia within and outside China, failed.Carried out Fintech, IT (website development, web scraping) and language business promotion but failed.Continued with my IC design, studies and researches but focus shifted from post-Moore IC technologies to modulation and demodulation for satellite broadband Internet and wireless communications.Negotiated for **billion and million Dollar satellite communications businesses** (integration and supplies of modulation and demodulation systems) with French, Irish, Bangladesh and Pakistani businessmen but all in vain |
| **2021.10 – present - future** | **Present****Future plan** | **Decided to move ahead with my IC career in the following areas:*** Write one of the **best books in IC design**, in huge volume, possibly web based and forever-updated (in the area of IP Core) with an interim title of “***Silicon IP – More than just Design***”
	+ A significant part of the preparations is done, now writing is on the way, to be finished in a year or two, one chapter a month. Website will also be allocated to showcase some of the key layouts of the book. More info refer to my IC site.
* Develop a **billion Dollar website** **in IC Technology**
	+ Currently the basic framework is completed as well as the coding.
* Design some of the **best ICs or IP cores** for the wireless communications industry, particularly for the DVB S2X protocol
	+ A couple of IP cores based on DVB, RFID, WIFI, 5G Cellular and UWB standards are already finished with the coding, verifications, simulations and tests in VHDL, Verilog, Matlab and others, ready for sales, refer to my site <http://www.angelia.eu.org/>
* Write some nice articles for the media from time to time
* Earn some big bucks out of my above business and other businesses (confidential)

**My other plans:*** Write mother’s biography
* Compose a song for mother
* Build mausoleums, temples and buildings for mother
* Held all kinds of commemorations for mother all year around
* Write an autobio
* Touring the world again
* Marry and raise kids
* **HELP REBUILD A BETTER WORLD WHERE GOD ALONE IS THE KING AND LORD.**
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| **2000 - present** | **Summary** | Completed a **Masters’ degree** and received **PhD candidacy** from major world universitiesAcquired **7 or 8 foreign languages**, among them English, German and French are at reasonable levels, refer to “MyLanguageLevels.pdf” and “Mein Weg zur deutschen Sprache”. English near native.Worked for some of the **key corporations** in my areas of industries as one of their key personnel in China, responsible for **multibillion Dollar** marketAuthored **hundreds of study aides and records, notes, presentations and booklets** in various areas of math, sciences, technology, businesses, and social life, refer to “WhatsWritten2003to2017.pdf”.Developed **hundreds of websites** for myself and others in various industries, researches and life, one of them (solar energy) with worldwide fame. 90% of them in English, the rest in several other languagesWon orders valued at **hundreds of millions of Euros** in solar business. |
| **2000 -**  | **References** | For more info please refer to the following sites:Mother <http://mothermemorials.eu.org/> (suspended)Personal sites at different phases with different styles<http://markchen.int.eu.org/><http://markchen.eu3.org/> (archived)<http://markchen.is-great.org> （Chinese）<https://worldsoft998.github.io/> (archived)<https://markchen9999.000webhostapp.com/> (archived)IC & IP Core Industry Portal under Development <http://www.angelia.eu.org/> My IC expertise<http://angeliamodem.eu.org/> (archived)Satellite Broadband Internet Consulting & Related Modem IP Cores Design<http://www.angelia.int.eu.org/> (archived)Fintech<http://plutus.eu.org/> (suspended)<http://plutus.is-great.net/> (Chinese, suspended)Many many more … |
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