

PROFILE

Driven, creative, business-minded engineer. Adapt easily, learn quickly, and eager to simplify project executions.

SKILLS

Microsoft Excel, PowerPoint, Projects, Visio,
Adobe Photoshop, Illustrator, InDesign
AutoCAD, Revit, SketchUp, Bluebeam, BIM
OmniPlan, Slack, Trello, Discord, Teams

English, Chinese
C++, Python
Waterfall, Agile, SCRUM
Make impossible possible

EDUCATION

Masters in Civil Engineering | California State University of Fullerton | Est. grad. 2022

PMI-LA Board of Director Vice President of PMO – leading in SCRUM to craft data architecture policies and execute information management

SWE and ASCE new member – ASCE high school day volunteer

AIA-OC Project Delivery and Emerging Professional Committee Chair

AIA Connection Magazine contributor

B.S. Management Science | University California of San Diego (UCSD) | 2007

Alpha Kappa Psi Business Fraternity

EXPERIENCE

Design Manager | DNA design and Architecture | 2019–2020

Fast-paced agile firm competes for large projects by employing specialized designers to design apartments for the Apple Park and notable complexes in City of San Mateo, South San Francisco, Oakland, Alameda, and Los Angeles.

- Juggled 7 design projects ranging 11-unit to 750-unit, condensing schedules and effectively communicating with stake holders.
- Assisted Owner in selecting parking elevators by engineering specs. with German and Chinese fabricators.
- Collaborated extensively with landscape architect, civil engineer, and electrical engineer to resolve complex problems. E.g., Engineering size and location of stormwater tank for structural, dry utilities and ADA path.

Project Manager | Ball Architecture | 2014–2020

An apprentice to an architect that designed over 300 high profile homes including San Marino's first basement turntable parking, 13-level home in Los Filos, and a palace for a prince in the U.A.E.

- Wore multiple hats, learned aggressively, and adapted swiftly.
- Developed protocols to 5x capacity and invited to be partner in 2017.
- For 35 projects, tracked project milestones, defined critical paths, won client contacts, presented at City hearings, explored all avenues to condense turnaround.

Charles Ou-Yang, PMP

charlesouyang@gmail.com | 949-202-9652

- Produced 149-page construction document set for a \$75M bluff-top design that used seventy-one caissons.
- Led discussions with Coastal Commission, City Zoning, Building and safety, and Engineer Geologist to a speedy pulling of permit.
- Incorporated fresh perspectives and global approaches to creative problem solving. E.g., the design of an intimate grotto while provided daylight into the basement when authorities suddenly requested to increase setback.

General Contractor | Ball Point Construction | 2018–2020

Designed and build a Dana Point ADU conversion with an extensive renovation of 2 new kitchens, 3 new bathrooms, substantial code upgrades to STC 50 and fire ratings.

- Hired and scheduled sub-contractors in an agile schedule; directed construction execution.
- Addressed all City inspector walk-throughs with follow-up repair and approval.
- Accelerated 2-day plan approvals and built positive relations with City officials. E.g., creating ad-hoc plumbing engineering plans per requested.
- Remarkd by City senior planner and inspector as a good-looking project, which sold for 55% above purchase price.

PM Supervisor | Tons Lighting Manufacturing | 2010–2012

Tons groups is a top producer for European brands and operates 3 facilities and 1500 employees. As factory ambassador, must identify machinery and sequence through 322,000 sq. ft. of factory floor.

- In an average 8-month attrition rate, promoted 3 times by consistent work and creative approaches.
- Led team to launch 27 new products following ISO9001 from design, CE/UL lab testing, approving assembly manuals, prototype / pilot runs, communicating QA/QC, and on time delivery.
- Added \$1M in sales by automating supply management and renegotiated Philips 100-page contract.
- Supervised sales team winning contracts with Philips(Netherlands), Osram(South Germany), Zumtobel (North Germany), and Prolicht (Austria) that totaled \$4M (13%) increase in gross sales.

Executive Project Manager | Kuo Kuang Bus Transportation | 2009–2010

As CEO's right-hand man, attended all cross functional meetings across 13 companies including the nation's largest bus factory (90% market) and largest fleet operator (900 buses, 1100 employees, 5% profit).

- Tracked project schedule and issues in the pilot partnership with Beijing Foton to deliver hybrid buses in time for the 2010 World Floral Exposition.
- Developed the first in-seat entertainment system for 74 buses in 6 months, reduced 45% cost, and trained in-house technicians for the new install, maintenance, and troubleshooting.
- Keeping pace with assembly line critical path, initiated installs of cable in chassis, after production hours, and effectively sourcing materials in the night.
- Crafted new components into the bus, coordinated with engineers, and established a laboratory to further research and ensure system stability.

Technology Analyst | Citibank | 2007 –2008

Largest team in San Diego, the Bridges Group managed 200 clients and a \$200M in investments.

- Procured and troubleshooted all computer equipment.
- Replaced manual matching of 2000 account information with Excel automation.
- Create custom financial and analysis reports in Excel.

I N T E R E S T

Swimming, running, travelling, reading, learning, improving.

Office
Chair
better
learn to
stand.

Charles spent the 10 years after graduating from UCSD honing skillsets that would make him ready for any job. He's worked 3 countries travelled across 4 continents to build a global macro perspective and to inherit a multi-cultured work ethic. Having worked in finance, transportation, and the housing industry, Charles has adopted a range of perspective to building companies. Increasing \$4million in sales and installing 2220 tv units on 74 buses are some of the major achievements.

Charles has a proven track record of achieving success in project management across finance models, cost budgeting, marketing, packaging and stakeholder relationship. He is quick to assimilate new ideas and concepts while demonstrating a logical approach to solving complex problems and issues. Works effectively on intuition and coordination to consolidate tasks whilst simultaneously handling diverse range of functions from multiple sources. An excellent communicator who is able to formulate positive relationships at all levels and thrives in challenging working environment **S**.

Office
Soundtrack
any beat
without
words. Both
Mozart or
Calvin Harris
work well.

Contemplative

Mentors
also includes the one
you hated. The
common outcome is
that you grow.

Command-Z (undo)
comes after action.
Just move forward
and take action.

Education
is not just the
degree from a
school.

Dream Job
getting paid for some-
thing you enjoy and
people want.

Dream Team
is where we own the same
responsibilities and finish each
other sentences. Like a relay
race, we take turns in grabbing
that baton and sprinting to the
next hand-off.

World-Saving
Mission
design, build
better
environment,
one house at a
time.

Underrated
youth and
ideals are
underrated.

Learned the Hard Way
the HARD way is the
same as the EASY way.
It is all an emotion.

How do you break a creative block?
Pre-covid — go for a run.
Post-covid — meditate for 15 min.

Overrated
Experts or professionals.

Charles Ou-Yang

kind

joyful



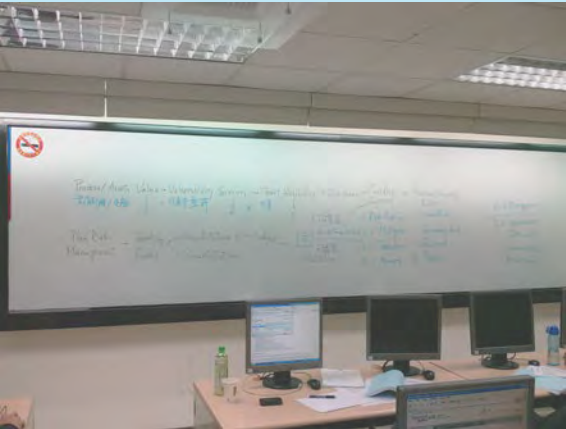


STEP 1 — PRO FORMA & FEASIBILITY

國光 VOD系統 價格比較表					
項目/規格	數量	單位	品牌	小計	總金額
1) Bus Server					
DIY (11 組)	15,000	確定	1	15,000	0
研習	25,000	確定	1	25,000	1
2) Middleware					
Winbox Octopus	42,000	確定	1	42,000	1
3) Network Switch					
友訊 48 port	12,870	確定	1	12,870	0
Rubylech 48 port	15,000	確定	1	15,000	1
友訊 5 x 8-port	4,125	確定	1	4,125	0
4) STB					
機架	5,850	確定	30	115,500	1
5) Monitor					
Division (國華精選 3,000)	3,000	確定	30	90,000	1
Johnny	3,333	初估	30	99,990	0
Entek (台)	6,600	確定	30	198,000	0
6) 固定架					
普通座(23座) 厚度	278	初估	24	6,683	1
普通座(23座) 紅綠 (height)	200	初估	24	4,800	1
前屏座(5座) 旋轉化箱子+拉鍊	700	初估	5	3,500	1
前屏座(5座) 固定架+L架	2,600	初估	5	13,000	0
後屏座(1座) 固定架+L架	2,600	初估	1	2,600	1
Server 固定架: L架					
Server 固定架: 專用 L 架					
7) 線材					
椅子內	45	確定	30	1,353	1
椅子線之總	120	初估	30	3,600	1
車內	300	初估	30	9,000	1
8) 電源					
總合 1x DC-DC + 1x DC-AC	17,800	初估	1	17,800	1
總合 25x DC-DC + 1x DC-AC	19,050	初估	1	19,050	0
總合 1x DC-DC + 1x DC-AC	19,300	初估	1	19,300	0
9) 電源線					
線材: one channel					
線材: one channel					
10) 安裝費					
安裝費	5,000	確定	1	5,000	1
341,336					

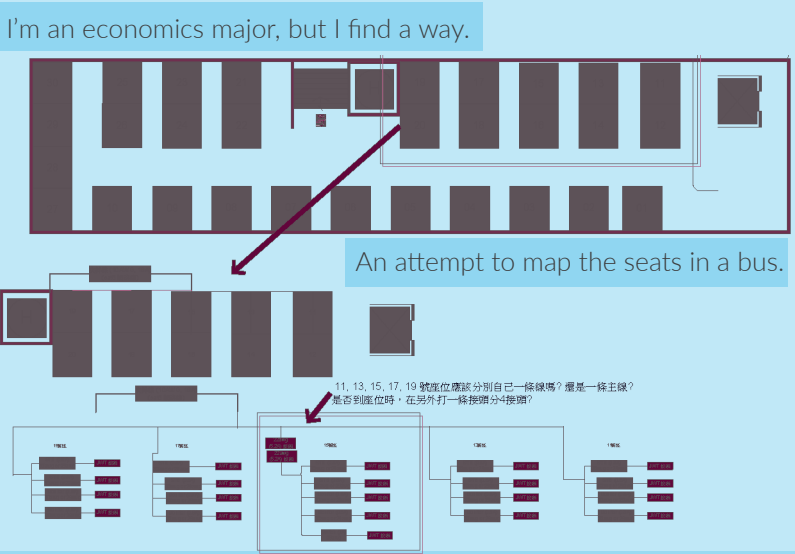
Negotiation failed because I estimated MSI's exact cost. The Chairman told me to try and build it!

STEP 2 — LEARN & RESEARCH



Crash course on project management.

STEP 3 — PLAN & DECIDE



Then I quickly calculated and ordered 20,000pcs of cables directly with a new vendor in China. Lead-time and schedule was tight. No one checked my work, but luckily my math was alright.

STEP 4 — EXECUTE & COMMIT



While engineering at night, in the day I work in the factory to assemble and install these 4 AWG bundles in the bus chassis before the production line places the body, panels, teflon, paint, spray foam.

This project accelerated my growth, from an American college graduate to an international project manager to make quick, unprecedented decisions, influencing board of directors in 3 companies, and the work life of 1300+ employees.

The delivery schedule was tight. There was not even a team, I paved the path. This project brought everyone together.



Troubleshooting a crash caused by defective soldering.



Cables and feet clearance – check!



Air condition added to cool the server.



Testing the remote control.

Page 2

[illegible]

Price list— updated annually

client, parts feed into sheet

The screenshot displays a complex ERP system interface. The top section features a navigation bar with tabs for 'Sales', 'Purchasing', 'Inventory', 'Production', 'Finance', 'HR', and 'Logistics'. Below this, the main workspace is divided into several panels. On the left, there's a 'Sales Order' table with columns for 'Order No.', 'Date', 'Status', 'Customer', 'Product', 'Quantity', and 'Unit Price'. The central panel shows a 'Purchase Order' table with similar columns. The right panel displays a 'Inventory' table. At the bottom, a navigation bar contains tabs for 'RFQ pricing', 'RFQ product list', 'Material report', 'Extension Report', 'Assigned Party Role', 'Extension', 'PO Clicks', 'Delivery', 'Assigned Part Control', 'Assignment driver', and 'PCB Driver'. The interface is cluttered with data, including various tables, forms, and a large 'Page 1' watermark.

Forecast — provided monthly by client, parts feed into sheet

The image shows a screenshot of a Microsoft Excel spreadsheet. The top ribbon includes tabs for Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Acrobat, and Tell me. The spreadsheet itself contains a large table with multiple columns, including part numbers, descriptions, and pricing information. A large, semi-transparent watermark reading "Page 2" is centered over the middle of the spreadsheet. The bottom status bar displays various application-specific metrics and settings, such as "REF pricing", "REF product list", "Material report", "Exposure report", "Assigned Parts Risk", "Forecast", "PG Costline", "Delivery", "Assigned Part Control", "derivable driver", "PGO Driver", "50W Driver", "50W Driver", "Robot 1", "Robot11", "A71", and "100%".

Risk— an automatic report to show inventory exposure

[illegible]

Risk— an automatic report to show inventory exposure

[illegible]

Inventory to order calculated based on products in forecast, ordered, and shipped

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Line	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
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191	192	193	194	195	196	197	198	199	200						

Orders shipped

How it is made.



V6 workshop. (Goal: drop \$5~7). Project Lead: Richard Simon
Richard Ali / Candy Yang
(Current: \$14.55 drop)
1. Relabel 6LED → Relabel ES 4LED (-\$1.50)
 ↳ correct voltage ↳ Q2 12w Xtremium Driver (-\$1.50)
 ↳ Titan purpose HPS
2. Packaging → PSG will provide old supply. (-\$0.75)
NO. 3. PCB: MCPCB → FR4. (-\$0.30) PSG provides.
4. Metal: No change in diameter only in height.
5. Bore in ring: 50% for 5000rpm Gens (-\$2.4)
 ↳ 50% HPS... ↳ reduce.
 ↳ FR4
Note → Titan team
 ↳ Richard's paper
Action 1
1. 工作需求 → test LED Relabels vs. Global vs. Sun Relabel (Test for 1 rd).
2. Initial Required: Co. John/Benji Brown - V6 → Relabel come 1 no on PCB. / no change on relabel.
 experiment 1; 3 conference → 4 relabels → sample.
3. Industrial problem \$2, \$5 → PSG to help.

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