Lesley Chang

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- Highly proactive, detail-oriented professional with a proven track record in **software engineering**, **project management**, **stakeholder engagement (relationship management)**, **product design**, **data analytics**, and **cross-functional collaboration**, dedicated to delivering customer-centric solutions that accelerate business growth.
- Proven ability to convert complex engineering requirements into actionable solutions.

Education

Massachusetts Institute of Technology, MicroMasters Program in Statistics and Data Science / Present
University of California, Merced, M.M., Management of Innovation, Sustainability, and Technology / Aug 2024
Courses: Project and Operations Management / Quantitative Tools For Management / Managerial Finance and Accounting / Law, Policy, and Risk Management / Leadership, Organizations, and Communications
National Taiwan University, B.A., Philosophy & Political Science

Experience

Software Engineer & Data Analyst / Valley Institute for Sustainability, Technology & Agriculture / Merced, CA / Oct 2024 – Present

- Managed **product lifecycles** and **agile workflows** using **Jira** and **Microsoft Loop**, enabling cross-functional teams to track product and process assets to ensure quality and efficient workflows.
- Utilized **Confluence** to manage and organize project documentation, fostering seamless **knowledge sharing** and **information accessibility**.
- Developed new web applications and enhanced website features based on stakeholder requirements, ensuring reliable delivery and continuous improvements to meet evolving user needs.
- Oversaw full-stack web application development and database management, leveraging JavaScript, React, TypeScript, Next.js, Tailwind CSS, Python, pytest, FastAPI, Supabase, PostgreSQL, Docker, CI/CD, and GitHub Copilot to deliver scalable solutions aligned with stakeholder needs and product goals.
- Led spatial data processing and visualizations, developing interactive web maps using SQL and ArcGIS Pro to support data-driven decision-making for end users.

Project Manager (Business operations and development) / Infinio Capital / Los Angeles, CA / Jul 2022 – Aug 2023
Infinio Capital is a venture capital firm focused on manufacturing, emerging technologies, global supply chain innovation, etc.

- **Managed international business projects by monitoring progress and reporting milestones to ensure timely delivery and seamless workflows for multinational stakeholders**.
- Analyzed and reviewed potential investment opportunities through due diligence, including financial analysis, valuation, and risk assessment, to inform strategic business decisions and identify growth areas.
- Leveraged **Notion** to **improve workflows**, **manage projects**, and **support partner relationship management (PRM)**, streamlining communication and significantly enhancing cross-functional collaboration and overall productivity.
- Developed and executed marketing strategies to promote Taiwan's hardware ODMs/OEMs and suppliers to secure global partnerships and market expansion across Asia, Europe, and the U.S.
- Strengthened market positioning and strategic partnerships by organizing high-impact press conferences and proactively engaging with industry stakeholders.
- Gathered critical industry insights from ICT conferences, translating and summarizing key findings (Chinese-English) to support key business strategies and identify emerging market trends.

- Helped the team successfully facilitate a USD 10.8 million investment by a publicly listed electronics service provider into a well-known electronic components manufacturer.

Sustainability Analyst & Product Designer / Sustaihub / Taipei, Taiwan / Dec 2021 – Dec 2022
- Researched and analyzed leading sustainability frameworks (ESG, SASB, SBTi, TCFD, GHG Protocol) and market trends (carbon markets, emissions management) to shape product strategy and accelerate service innovation.
- **Early-stage product development**: Assisted in developing commercial GHG inventory software by mapping user flows and creating user interface mockups and prototypes with a focus on user-centered design.

Software Engineer & UI/UX Designer / INSIGHTEYE / Taipei, Taiwan / July 2020 – July 2021
- Led user research initiatives and translated findings into intuitive, user-centric UI design.
- Developed responsive, high-performance web applications using JavaScript, SCSS, Vue.js, and Vuex.
- Leveraged Nuxt.js to improve SEO performance and optimize user experience across platforms.
- Executed API test using Postman to validate RESTful APIs' functionality, reliability, and performance.
- Utilized Git and Bitbucket to enhance development speed, ensure version control integrity, and facilitate cross-functional teamwork.
- Managed the quality assurance process by planning and executing validation testing prior to client delivery.
- Collaborated in an **agile scrum environment** to build deployment pipelines and accelerate delivery cycles.

Skills
Programming: R, Python (pytest, FastAPI, Pandas, NumPy), JavaScript (React, Vue, Next.js, TypeScript), HTML/CSS (Tailwind CSS), Node.js, Postman
Databases & DevOps: SQL, MySQL, PostgreSQL, Supabase, Docker, Git, GitHub, CI/CD
Data Analysis & Visualization: Tableau, ArcGIS Pro
Generative AI: Grok, Gemini, ChatGPT, Perplexity, Copilot
Collaboration Tools: Microsoft Office, Microsoft 365, Google Workspace, Notion, Confluence, Jira

Certifications
Project Management Professional (PMP)® / Nov 2025
Introduction to the Internet of Things and Embedded Systems, University of California, Irvine / Jul 2025
Lean Six Sigma White Belt, The Council for Six Sigma Certification (CSSC) / May 2025
Gained foundational knowledge of Lean Six Sigma methodology with a continuous improvement mindset to enhance process quality.
Semiconductor Manufacturing Process and Data Analysis, National Yang Ming Chiao Tung University / Jan 2025
Google Advanced Data Analytics Specialization, Google / Oct 2024
Full Stack Web Development Program, Alpha Camp, Taiwan / Aug 2021
Frontend Engineer Training Program, Institute for Information Industry, Taiwan / Jun 2020
Developed expertise in computer hardware, IoT, software development, database management, UI/UX design, and product testing; Prepared PRDs, technical documentation, and product presentations for capstone projects; Applied agile methodology throughout the lifecycle of software development.

Volunteering
Volunteer, North America Taiwanese Engineering & Science Association (NATEA) / Apr 2025 – Present
Judge of Taiwan Corporate Sustainability Awards (TCSA), Taiwan Academy for Corporate Sustainability / Aug 2022 – Present