Max Dan Li

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Education

Cornell University, College of Engineering   *Dean's List* 3.6 GPA, May 2023
BSc of Mechanical Engineering, Dyson Business Minor for Engineers
- **Varsity NCAA Men's Polo, Alpha Sigma Phi**
- Statics, Thermodynamics, Materials with MATLAB, Financial Accounting, Microeconomics

Florida Real Estate Licence   June 2022
Self-taught with Aceable Agent

Professional Experience

Data Science Intern, iPhone Product Operations   6 months; June 2021 – Dec 2021
Apple, inc.
- **Designed modernized web dashboard for camera lens production** to reduce data processing workloads by 90% with Tableau and cloud computing tools
- **Independently wrote new Python packages for a data pipeline** for 40x faster data retrieval from SQL databases and file sharing platforms for file- and format-agnostic data interpretation
- **Employed breakthrough data science techniques** to identify new tooling-level anomalies to help optimize a production stream of tens of thousands of consumer electronic components per day
- **Collaborated with global cross-functional teams** to support, test, and advocate for new projects and initiatives across time zones and with high regard for international business standards
- **Streamlined effective project presentations** to senior leadership, optics engineering, and lens operations groups to build a user base and pathways for expansion for a new internal data analytics solution

Engineering & Business Development Intern   5 months; Jan 2021 – May 2021
Bluespace.ai
- **Designed and implemented mission-critical investor and partner materials and web pages** using Adobe XD prototyping and HTML/CSS programming, applying advanced UX, color theory, psychosocial strategies
- **Built JavaScript scrapers to identify and compare ADAS, OEM vendors, and Tier 1** competitors and partners, communicating insights/opportunities to C-level executives of self-driving company
- **Used Tableau to communicate internal data to C-level executives** on international partnerships and projects, also to evaluate competition in electric vehicle charging infrastructure

Project Team, Mechanical Subteam   4 years; October 2019 – Present
Cornell University Autonomous Underwater Vehicles
- **Applied DFA, DFM, DFX strategies for kill switch design with integrated PCBA,** to cut 30% cost and 50% production time by reducing machining setups and increasing part standardization
- **Leveraged Solidworks CAD, 3-D printed test fixture prototyping, FEA analysis,** and ANSI drafting with GD&T to rapidly ideate and validate product designs for ergonomics and robustness
- **Conducted 4-stage design review process,** collaborating with cross-functional teams, to promote efficient vehicles systems integration of electrical, software, and mechanical teams for autonomous mobility
- **Logged 100+ hours of machining experience** on mills, lathes, and other manufacturing machinery
- **Compiled thorough process documentation to summarize design decisions,** bills of materials, analyses, for upskilling of present and future teammates

Project Designer Engineer   August 2020 – December 2020
COVID Contact Tracing App for College Restaurants
- **Led end-to-end product design of app from prototyping design to implementation in Kotlin and HTML/CSS/JS,** demonstrating capacity for agile project planning skills to maximizing team productivity
- **Initiated business development communications to complete** product adoption by 5 local businesses

Product and Brand Management Consultant, Freelance   May 2020 – September 2020
Listener Pro, Shenzhen
- **Advising C-level executives and global teams in project management and business strategy,** reporting with bilingual proposals, and management meeting calls, acquiring merit-based stock options