

Christopher De La Torre

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Work Experience

Apple

Interconnect Product Design

Cupertino, CA

Jan 2025 - Present

- Engineered precision electro-mechanical assemblies using Siemens NX/CAD and integrated automated test feedback loops to validate performance and reliability.
- Collaborated with cross-functional hardware and test engineering teams to develop GD&T documentation supporting automation setup and calibration workflows
- Authored and standardized validation and testing documentation to align with automation protocols, ensuring consistency across test procedures and vendor integration.

Apple

Mac Product Design Engineering Architecture Experience

Cupertino, CA

July 2023 - Dec 2023

- Operated precision mechanical test systems (Instron, Bridgeport, Laser Cutter) and integrated automated data collection workflows to analyze performance metrics.
- Designed and prototyped multi-layer mechanical fixtures and test tools in NX to improve lab automation throughput, precision, and workflow efficiency.
- Engaged in ongoing communication and collaboration with multiple engineering teams to align on new material theories and strategies for future product builds

Apple

Genius

San Francisco, CA

August 2019 - July 2023

- Exhibited expertise in leading and mentoring fellow technicians during customer appointments and repair processes. Through coaching and partnership, helped team members develop their technical skills and deliver exceptional customer service, contributing to a high standard of service excellence.
- Demonstrated the ability to seamlessly transition between various technical specialties by effectively troubleshooting, diagnosing, repairing, and resolving issues with a wide range of iOS devices, including iPads, iPhones, Macs, and Apple Watches, as well as their accompanying software and hardware components. Supported hardware/software system diagnostics across multiple platforms, including automated device testing environments.

The Crucible

Oakland , CA

Fuego Teacher

July 2015 - January 2019

- Provided in-depth instruction on industrial tool management, emphasizing proficient operation and safe utilization of Arc Welding Machines and Torch Cutters.
- Orchestrated weekly showcases where campers proudly presented their skill-acquired projects, showcasing the practical applications of their newfound skills.
- Led a series of engaging youth camps, catering to ages 8-16, achieving an 100% camper return rate and consistently earning 100% overall positive feedback

Project

San Francisco, CA

Push' N Cushion

January 2021- December 2021

- Demonstrated expertise in product design by creating and refining prototype schematics using Solidworks, contributing to the development of innovative solutions.
- As Project Manager, efficiently coordinated team efforts and delegated tasks, resulting in the successful prototype completion. This accomplishment distinguished our team among the top 10 in our class.
- Engineered a specialized chair for elderly individuals and those with mobility challenges, featuring a mechanical seat lift system. This innovation restores users' independence by gently elevating them from their seated position while alleviating joint pressure, resulting in improved comfort and mobility.

Volunteer Work

Oakland, CA

President of Sigma Beta Club

Jan 2011 - Dec 2021

- Provided supervision and mentorship to a youth organization, catering to young men from elementary through high school. Offered tutoring in core subjects, including Mathematics, Science, and English, resulting in a remarkable increase in the average member GPA, which exceeded 3.5.
- Orchestrated a range of community-based fundraisers, food drives, and marathons, successfully raising over \$5,000 in funds for various charitable causes across the Bay Area.

Education

San Francisc State University

San Francisco, CA

Bachelor of Science, Major in Mechanical Engineering

Skills & Certificates

Certifications: Coursera; (Materials Science), iOS Repair; Mac Genius Repair , Six Sigma Yellow Belt Specialization

Technical Skills: Siemens NX/CAD, SolidWorks, MATLAB, SQL, Python (basic), GD&T, Automation Testing, Mechanical Fixtures, Electro-Mechanical Systems, Lab Equipment Calibration, Data Analysis

Languages: English, Spanish (intermediate)