



# Mario Ebert Khosla

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## Profile

Mechanical engineer by training. Experienced in product design, test, and manufacturing. Looking to break into the field of robotics. Voracious learner. Driven to be useful.

## Experience

### **MECHANICAL DESIGN ENGINEER, CHARGEPOINT INC; CAMPBELL, CALIFORNIA – JUNE 2018-PRESENT**

Intern for first 6 months. Worked on several DC (fast-charging) product programs. Responsibilities range from owning bring-up and test of prototype builds, designing and releasing parts and subassemblies from scratch, conducting thermal benchmarking tests, and paving new product architecture cross-functionally.

### **MANUFACTURING ENGINEER INTERN, TESLA INC; FREMONT, CALIFORNIA – JUNE 2017-DECEMBER 2017**

Supported in the design and commissioning of new general assembly production line for the Model 3. Projects included designing and implementing an automated quality inspection system, deploying and validating hundreds of torque tools, and improving processes across the whole line.

## Education

Stanford University – B.S. Mechanical Engineering (GPA: 3.8), 2014-2018

## Skills

Mechanical design (enclosures, thermal systems, test fixtures/jigs, robotic mechanisms, cables/connectors)

Manufacturing processes (CNC, sheet metal, 3D-printing, laser cutting, molding, stamping, extrusions)

Engineering tools & software (GD&T, ANSYS, CAD programs [Siemens NX, Solidworks, CATIA V5/6], machine shop, instrumentation [TCs, pressure, flow, force/strain, accelerometers], scripting languages [MATLAB, C/C++, Python], Linux, Git, EAGLE, Arduino)

## References

Paul Guerra ([linkedin.com/in/paulguerra](https://www.linkedin.com/in/paulguerra)), Julie Truong ([linkedin.com/in/julie-truong-399b4a98](https://www.linkedin.com/in/julie-truong-399b4a98))