**Ellie Tweddle**

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Mechanical Engineer

Mechanical engineer offering product-development experience within manufacturing settings. Proven ability to create cost-effective, cutting-edge designs that meet project and product specifications. Expert user of CAD programs and skilled producer of mechanical engineering documentation and drawings.

**PROFESSIONAL EXPERIENCE**

Mechanical Engineer –– T Schwartz Engineering, 5/08 to 2/10

* Recruited to design, develop, validate and test mechanical components for a leading manufacturer of off-road machinery parts. Served on team that introduced new or enhanced existing products in the following categories: torque convertors, cylinder heads, exhaust elbows, turbochargers, turbo couplings and muffler stacks.
* Conduct modeling, simulation and analysis of structural components using CAD techniques, Creo Elements/Pro and Abaqus FEA Suite.

Junior Mechanical Engineer –– XYZ Industries, 09/05 to 4/08

* Provided mechanical engineering support to the product-development team for one of the country’s fastest-growing underwater LED lighting manufacturers.
* Contributed to the successful release of two LED anchor-masthead and three LED underwater lighting products.

**COMPUTER SKILLS**

AutoCAD, SolidWorks, Creo Elements/Pro, Abaqus FEA Suite, MS Project, MATLAB, TrackWise, Minitab, MS Office

**EDUCATION**

Imperial College

BS, Engineering 05/05