

Billy C. Wight

4132 Campus Ave. Suite 7 • San Diego, CA 92103
 Mobile: (858)699-5313 • Fax: (858)712-0660
www.luxonengineering.com • billy@luxonengineering.com



EDUCATION	<p>University of California, San Diego <i>B.S. Mechanical Engineering</i> September 2002 - September 2006 Cumulative GPA: 3.1 California FE/EIT Certificate Holder</p>		
EMPLOYMENT	<table border="0"> <tr> <td data-bbox="375 407 889 772"> <p>Luxon Engineering <i>President,</i> <i>Mechanical Design Engineer</i> January 2007 - Present</p> <p>Iconoclast Technologies <i>Executive Director,</i> <i>Mechanical Design Engineer</i> January 2009 - Present</p> <p>PDG Oncore, Inc. <i>Mechanical Design Engineer</i> February 2007 – November 2007</p> </td> <td data-bbox="889 407 1485 772"> <p>Cytori Therapeutics, Inc. <i>Mechanical Design Engineer</i> December 2004 - February 2007</p> <ul style="list-style-type: none"> • Product design, testing, and revision • Tolerance analysis, GD&T • CMM programmer, supervisor <p>UCSD Engineering Machine Shop <i>Machinist, T.A.</i> September 2003 - March 2005</p> <ul style="list-style-type: none"> • Supervised students • Taught engineering machine shop classes </td> </tr> </table>	<p>Luxon Engineering <i>President,</i> <i>Mechanical Design Engineer</i> January 2007 - Present</p> <p>Iconoclast Technologies <i>Executive Director,</i> <i>Mechanical Design Engineer</i> January 2009 - Present</p> <p>PDG Oncore, Inc. <i>Mechanical Design Engineer</i> February 2007 – November 2007</p>	<p>Cytori Therapeutics, Inc. <i>Mechanical Design Engineer</i> December 2004 - February 2007</p> <ul style="list-style-type: none"> • Product design, testing, and revision • Tolerance analysis, GD&T • CMM programmer, supervisor <p>UCSD Engineering Machine Shop <i>Machinist, T.A.</i> September 2003 - March 2005</p> <ul style="list-style-type: none"> • Supervised students • Taught engineering machine shop classes
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ENGINEERING EXPERIENCE	<p>CAD/CAE/CAM:</p> <ul style="list-style-type: none"> • SolidWorks Certified Professional, SolidWorks Simulation, PDM Works • Pro/Engineer, Pro/Intralink, Pro/Mechanica • AutoCAD, AutoDesk Inventor • Altair HyperWorks Suite, Algor • MasterCAM, PC-DMIS • General finite element analysis and data acquisition <p>Mechanical Inspection/GD&T:</p> <ul style="list-style-type: none"> • Advanced programming and operation of coordinate measurement machines • PC-DMIS CMM programming software • General mechanical inspection • Experienced with Geometric Dimensioning and Tolerancing • Quality Training Solutions GD&T certification <p>Fabrication:</p> <ul style="list-style-type: none"> • CNC programming and operation, lathe, mill, band saw, drill press, etc. • TIG, MIG, arc welding, oxy-acetylene, brazing/soldering, and plasma cutting • Forging, sheet metal work, various hand tools, and electrical work. • EPA Section 608 Type 1 Refrigerant Handling Certification <p>Computer Programming:</p> <ul style="list-style-type: none"> • Working knowledge of C++, HTML, XHTML, Java, PC-DMIS, Matlab, LabVIEW, and Basic Stamp programming <p>General Software:</p> <ul style="list-style-type: none"> • Microsoft Office Suite, Microsoft Windows, Adobe Design Suite <p>UCSD Formula SAE: Design Sub-lead and Fabrication Lead November 2003 - August 2006</p> <ul style="list-style-type: none"> • Design, fabrication, and development of three vehicles • Designed and fabricated multiple projects, developed leadership and teamwork skills 		
PRIMARY SPECIALTIES	<ul style="list-style-type: none"> • Structural component design, analysis, and optimization via finite element methods • Computer simulation and Computer Aided Engineering (CAE) • Machine-design, mechanical design of assemblies • Machined part, sheet metal, weldment, molded/cast, extrusion, and plastic part design • Design for manufacturability and assembly • Automotive component design • Geometric Dimensioning and Tolerancing, tolerance analysis 		

Please visit www.luxonengineering.com for more information; references available upon request.