

Randy Carpenter
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Objective	Seeking internship/career opportunity in the field of electrical engineering	
Education	San Diego State University, San Diego, CA Bachelor of Science Electrical Engineering	Graduating May 2010
Relevant Courses	Digital Systems Analog Systems Electronic Circuit Design Signals & Systems Power Electronics Electronic Materials & Devices	Electric & Magnetic Fields/Flux Power Distribution Electrical Energy Conversion Power System Analysis Micro-Controller Programming Instrumentation Circuits
Relevant Skills	<ul style="list-style-type: none">• Mentor Graphics, Eagle, PSpice, LTSpice, MATLAB, PowerTools32, PowerWorld Simulator• Assembly, C, C++, Java, MPLAB, Visual Studio, CodeWarrior• Surface-mount soldering (hot plates, heat guns), board layout• Microsoft Office, Word, Excel, PowerPoint, Project, Visio, Adobe PhotoShop, Illustrator• Graphics Animation• Web page Design• Knowledgeable with PC and Mac	
Projects	<ul style="list-style-type: none">• Wireless inductive lithium-polymer battery charger• Class D audio amplifier• Multi-stage audio amplifier• PWM square wave to sine wave• Bandwidth vs. Gain control• Temperature sensing fan controller• Full-wave rectifying triple-output power supply• BJT/MOSFET amplifier circuit design & simulation with PSpice• Assembly & C programs (D/A and A/D converter, keypad Piano, Interrupts, PWM control)	
Work Experience	<i>Lacrosse Coach</i> (Santana High School 2009/2010) <ul style="list-style-type: none">• Provided leadership to transform 30 diverse individuals into a team• Managed safety, transportation, attendance, and output of 30 people• Ensured positive participation of all team members• Sole responsibility for team physical and competitive training• Organized daily tasking for a team for several months <i>Sales</i> (June 2001 – Aug 2007) Big 5 Sporting Goods, SDSU Lacrosse <ul style="list-style-type: none">• Customer service• Fundraising for non-profit organization• Participated in team meetings daily• Maintained my productivity and sales numbers• Work with other employees/team members to ensure a sale/win.	
Attributes	<ul style="list-style-type: none">• Highly motivated, objective thinking, flexible, fast learner, natural problem solver• Attention to detail, excellent analytical skills, punctual meeting attendance• Work well in both team and individual assignments	
Activities/Honors	<ul style="list-style-type: none">• SDSU Men's Lacrosse MVP 2006• Santana High School JV Lacrosse Coach• IEEE member	