

# Kosta Grammatis

<b>Objective</b>	To join a progressive company where my diverse experiences in creativity, problem solving, and communication can be of service.
<b>Education</b>	<p>2003–2007 <b>California State University Channel Islands</b> Camarillo, CA</p> <p><b><u>Independent Studies and Research</u></b></p> <p>Remote Aerostat based data acquisition and air sampling system for atmospheric research</p> <ul style="list-style-type: none"><li>• Pursued and received a \$14,000 research grant to build an air sampling system and adjunct support systems for high altitude balloon research.</li><li>• Project required skills in CNC machining, electromechanical design, CAD design, mechanical engineering, pneumatic systems, wireless technology, x86 and imbedded systems, aeronautics and avionics, PCB fabrication and design, software development in C++, fiscal management, project management, extensive proposal and research write-ups, communication, social, and persuasive skills.</li><li>• Project awarded 1<sup>st</sup> (2007) and 2<sup>nd</sup> (2006) place in engineering and computer science at the statewide California State University research competition.</li></ul> <p>STT (spinning tube in tube) Reactor collaborative research</p> <ul style="list-style-type: none"><li>• Assisted chemistry research faculty and students to design and fabricate an inert atmosphere magnesium pulverizer and reactor for constant synthesis of highly pyrophoric Grignard reagent to be used in conjunction with ongoing STT Reactor research.</li><li>• Project required skills in microcontroller programming, various methods of sealing including triple lipped seals, stepper motor control, high tolerance linear motion systems, working with analytical chemistry tools such as HPLC and GCMS, and inert gas handling systems.</li></ul> <p>CNC Plasma cutter operator and workspace manager</p> <ul style="list-style-type: none"><li>• Assembled, programmed, operated, and maintained a CNC plasma cutter for the CSUCI art department.</li><li>• Worked with students to help them design their projects and run them on the machine.</li></ul> <p>Other activities</p> <ul style="list-style-type: none"><li>• An accomplished photographer, mechanical/kinetic sculptor, writer, and classical guitarist. My works have been performed and displayed in numerous art shows and events.</li><li>• President of Residence Hall Association 2003-2004</li><li>• Winner of 1<sup>st</sup> 2<sup>nd</sup> and 3<sup>rd</sup> place in various categories at the 2005 Talkin' Dolphins speech competition.</li><li>• Vice president of Physics club from 2005-2006</li></ul>
<b>Experience</b>	<p><b>Project Manager/Lead Engineer</b> 2008-Present <b>Eyeborg Project</b> Toronto, Canada</p> <ul style="list-style-type: none"><li>• Led the design of a camera enabled prosthetic eye used as a film making tool.</li><li>• Consulted with industry leaders and experts to find the latest in miniature CMOS, battery, and RF technologies.</li><li>• Brought together a world class team of engineers to solve the complex problems involved with the eye.</li><li>• The project received world wide press attention and has been featured in Wired, New Scientist, and other various scientific publications.</li></ul>

	<p><b>Avionics Systems Engineer</b> 2006–2007                      <b>Space Exploration Technologies</b>      Hawthorne, CA</p> <ul style="list-style-type: none"> <li>• Designed a micro communications satellite and ground support equipment to test the capabilities of using the Iridium Communication Satellite network from space.</li> <li>• Was tasked with a broad range of duties encompassing: mechanical, electrical, thermal, systems, wiring, RF Systems, team management, and website design.</li> <li>• Coordinated and assisted in a diverse range of projects: Lithium Polymer battery design, first stage recovery tracking and support system, thrust vector control actuator, avionics bay layout and systems integration, EMI testing/shielding, RF thermal management, and mission control and recovery operations.</li> </ul>
	<p><b>Amgen Internship</b> 2006–2007                      <b>ACT-1 On Site at Amgen</b>                      Camarillo, CA</p> <ul style="list-style-type: none"> <li>• Worked with high performance liquid chromatography (HPLC) machines as an Amgen engineer.</li> <li>• Collaborated with principal and lead scientists to help maximize the performance of their HPLC's.</li> </ul>
	<p><b>Consultant</b> 2006                                      <b>Pacific Coast Cabling</b>                      Chatsworth, CA</p> <ul style="list-style-type: none"> <li>• Consulted on the ethos of graduating students: what the desires of a college student are, the post-graduation expectations, and how to attract the top students into the positions they offer.</li> <li>• Facilitated the creation of a new employee training program and assisted human resources in understanding the traits of a student who is driven to succeed.</li> </ul>
	<p><b>Tutor/T.A.</b> 2004–2007                      <b>CSUCI Writing Center Tutor</b>                      Camarillo, CA</p> <ul style="list-style-type: none"> <li>• Tutor at the CSUCI writing center with the responsibility of helping other students become effective communicators in the written form.</li> <li>• Participated in the classroom with students to correct and assist the organization of ideas to facilitate their written expression.</li> </ul>
	<p><b>Machinist Internship</b> 2005–2006                      <b>World Class Manufacturing</b>                      Chatsworth, CA</p> <ul style="list-style-type: none"> <li>• Designed assemblies and components using industry standard software. Utilized tooling and fixturing techniques and practices. Machined components on CNC lathes and mills.</li> <li>• Learned, and employed, these skills for the fabrication of components for use with The Balloon Project.</li> </ul>
	<p><b>Technology Support Specialist Intern</b> 2001-2003                      <b>Chaminade College Preparatory</b>      Chatsworth, CA Provided:</p> <ul style="list-style-type: none"> <li>• Implemented system wide software and hardware repairs, maintenance, and upgrades.</li> <li>• Provided user training, help desk support, and problem resolution.</li> <li>• Serviced and rolled out network infrastructure in wireless and wired environments as well as created server side solutions on both Windows and Linux workstations.</li> </ul>

