

Eloy Salinas

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TECHNICAL SKILLS

- **Embedded Systems:** Development with PIC and AVR chips, Firmware design, Applications, Drivers, RTOS
 - **Programming Proficiency:** C, C++, C#, VB, Python, Java, PHP, MySQL, JavaScript, Verilog, MATLAB, CSS, PLC
 - **Rapid Design & Prototyping:** Circuit Design, PCB, CAD, 3D Modeling, Laser-cutting, 3D Printing, 3D Scanning
 - **Software Proficiency:** Cadence OrCAD, SolidWorks, MATLAB, Dreamweaver, Photoshop, Lab View, MS Visual Studio, Database management, Certified Microsoft Office Specialist in Excel, Word, and PowerPoint, Debugging
 - **Mobile Development:** Android applications, Computer Vision for Android, Mobile database design
 - **Trained in:** Cleanroom Protocol, Hazardous safety and handling, ESD, Technical Documentation, External Suppliers
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WORK EXPERIENCE

Seagate Technology

Mechatronics Engineer

Fremont, CA

Feb 2016-Present

- **Equipment Engineering:** PLC programming, Circuit design and modifications, System and Software upgrades, Designed parts in SolidWorks prototyped with a 3D printer and fabricated in machine shop, Upgraded legacy unsupported system network from Windows XP to 7, Troubleshoot alarms and errors, Train operators on tools, C program modifications to GUI and Logic
- **Process Engineering:** Reduce process cost, SPC optimization, Evaluate consumables, Documentation, Data analysis, Daily monitoring and reporting, Sustaining Engineering
- **Software Engineering:** Designed and developed a tool GUI, C# upgrades to unsupported legacy tool, Install and upgrade lab software, Work with team to develop shippable software on tool, Upgrade legacy system OS with custom drivers, Sustain legacy tool with maintenance and upgrades
- **Project Management:** Team lead in the design and production of an autonomous testing development tool with a UI and production capability including project timeline and bill of materials

UCSC Autonomous Systems Lab

Research Assistant

Santa Cruz, CA

September 2014-July 2015

Undergraduate research in autonomous and embedded systems. Assist graduate student and professor on energy harvesting mountain lion collar project: embedded programming, actuators, sensors, circuit design, and test harnesses.

MAKE: Magazine

Special Projects Engineer

Engineering Intern

Sebastopol, CA

September 2013-May 2015

June 2013-September 2013

Build, design, debug, and test projects for the magazine before publication. Ensuring proper functionality of projects and clarity of the instructions to build them. Duties include circuit design, programming, debugging, and rapid prototyping.

UCSC EOP

Web Developer

Santa Cruz, CA

March 2013-June 2015

Maintain and create web pages for the UCSC Educational Opportunity Program using PHP, HTML, CSS, and JavaScript.

EDUCATION

University of California at Santa Cruz

Bachelors of Science, Robotics Engineering

Santa Cruz, CA

June 2015

Leadership: Chair of the IEEE UCSC Chapter for two terms, Lead Engineer on 2015 senior design project

Santa Rosa Junior College

Transferred as an Engineering student, May 2012

Santa Rosa, CA