

# ANA LOG

2229 LINCOLN WAY, AMES, IA 50014 – 111-222-3333 – ANALOG@IASTATE.EDU

**OBJECTIVE** Full-time employment as an electrical engineer, ideally with focus on signal processing

**EDUCATION** **Iowa State University** – Ames, IA  
Expected Bachelor of Science in Electrical Engineering  
May 2015 GPA: 3.51/4.00

ISU six-week study abroad program in Alicante, Spain; Summer 2013

**PROFESSIONAL WORK** **Mechdyne Corporation** – Marshalltown, IA  
*Electrical Engineering Intern*

**EXPERIENCE**

- Developed MATLAB-based, image-display software that met all performance expectations
- Collaborated with other engineers to perform software integration
- Contributed creative solutions to Six Sigma and Lean Manufacturing projects including a controls simulator used to test new products.

January to August 2014

**MidAmerican Energy Company** – Cedar Rapids, IA  
*Engineering Intern*

- Performed testing and troubleshooting on cathodic-protection systems
- Designed new utility services using ProEngineer
- Updated emergency safety procedures and site maps
- Delivered project summary reports to management and co-workers

May to August 2013

**Electronics Class Creative Project:**

- Designed, constructed, and tested an embedded control system for audio amplification
- Combined circuit design with firmware development

**Senior Design Project: Image Processing for Neurosurgery, Team Leader**

- Ported MATLAB-based image reconstruction algorithm to C
- Developed an algorithm for sequential image segmentation
- Created a graphical user interface that was intuitive and easy to use

**RELEVANT SKILLS**

**Hardware:** Oscilloscopes, network and spectrum analyzers, circuit assembly and troubleshooting, soldering, circuit board design

**Software Applications and Languages:** Agilent Advanced Design System, Atmel AVR, C, Java, LabVIEW, MS Office, PSPICE, SolidWorks

**Languages:** English and Spanish

**HONORS, LEADERSHIP & ACTIVITIES**

Eta Kappa Nu Honor Society

Society of Women Engineers – *Program Committee Member*

Scholarship for Academic Excellence 2013, 2014