Steven Haim

Address: **Contact Information:**

3515 W Park View Ln   Steven.haim@gmail.com
Glendale, AZ,85310   602-908-6097

Objective

Seeking a position in the engineering field where my leadership, experience, and knowledge, specifically in optical engineering, can be used effectively.

Education

University of Arizona, Major: B.S. Optical Sciences & Engineering, Minor: Mathematics
Six Sigma Green Belt Certified

Relevant Employment

Honeywell International Displays and Graphics Center of Excellence *July 2011- Present*
- Ruggedized displays, backlights, and touchscreens to DO-160 requirements to fit aerospace applications.
- Written white papers, qualification reports, and field service bulletins approved by the FAA and Customers.
- Have designed, performed, and analyzed various tests involving several different display technologies and measurement equipment.
- Contributed to Honeywell's IP by designing custom technologies that later were submitted for patents.
- Worked with LCD and LED suppliers, both overseas and domestic, to deliver parts on time and to the correct specifications.
- Responsible for characterizing newer technologies and determining whether they were ready for aerospace applications.
- Wrote test software to interface with optical measurement equipment in order to automate several tests that previously were done manually.
- Responsible for troubleshooting efforts when field units are returned.
- Wrote optical modeling software to predict color and display performance of several different products.

Optical Fabrication Lab University of Arizona, Student Assistant *May 2009- August 2010*
- Aided in design and testing of the Discovery Mirror project by creating testing software using Matlab.
- Polished and ground mirrors to specific radius of curvature. Used lab equipment to verify figure.
- Kept the lab in working order by cleaning tools, organizing the lab, and maintaining supplies.
- Built various support items for opticians such as a spill tray and pucks for supporting the Discovery Mirror.
- Designed parts including tip/tilt stages, rotation mounts, and other testing supports for mirrors using SolidWorks.

Computer Proficiency

- Experienced in programming in Matlab and VB to interface with test equipment and analyze optical data.
- Capable interfacing with ELDIM software and measurement equipment to take ISO luminance and contrast plots as well as uniformity data.
- Capable of interfacing with Photo Research tools and equipment to take color and spectral data.
- Adept in using Microsoft's entire standard suite (Access, Word, Excel, PowerPoint, and Outlook).
- Skilled in modeling lens systems in Code V and minimizing the aberrations they produce.
- Capable of modeling mechanical systems in SolidWorks and NX. Can create parts, assemblies, and drawings
- Skilled in using R and Minitab for statistical computing and analysis.
- Experienced using Photoss to simulate long range optical transmission systems.
- Familiar with TracePro for non-sequential optical modeling.

Leadership/Extracurricular

- Member of SID and have attended multiple conferences.
- Eagle Scout certified by the BSA Grand Canyon District.
- Capstone project won a best overall design award in university wide competition
- Created amateur telescope from scratch including polishing and grinding by hand.

For more information Visit my webpage at http://ProjectSteven.com/