Rose E. Engineer

112 S College St; Terre Haute IN 47803 | 212-877-8475 | imanengine@gmail.com

SKILLS

Optical design with Zemax	Optical design experience using CodeV
Designed optical experiments	Maintained open lines of communication with all
Wrote code using MATLAB	members of the project team and affected parties

EDUCATION

ROSE HULMAN INSTITUTE OF TECHNOLOGY – Terre Haute, IN   May 2019

Bachelor of Science in Optical Engineering, GPA 3.83

Relevant Courses: Physical Optics, Geometrical Optics, Radiometry, Optomechanics, Linear Optical Systems, Laser Systems

Further Education/Training: Six Sigma, Lean Six Sigma, GD&T, FMEA, lockout/tag out, Motoman

EXPERIENCE

NAL – Paris, IL   Engineer Intern   2018

- Wrote with CodeV in macro language within WFIRST and LUVIOR
- Wrote MATLAB programs with ZOS-COM capabilities
- Serves as technical liaison for customer and national/international material suppliers
- Ran analysis on WFIRST optical models to create graphs and tables
- Developed, issued, and maintained internal specification and design standards for specific materials and their related processes and equipment

L3 INSIGHT – Henry, IL   Optical Engineering Intern   2017

- Responsible for a project that increased process efficiency and reduced raw material consumption by over a third and developed solutions to address customer complaints
- Manually focused groups for IR diodes to be bonded within specifications
- Set up a standard interferometer for use in refraction of air
- Worked as part of a team to use advanced research techniques to develop prototype visual range finder for government use
- Developed and submitted for patent electronic eyeglass receptacle that adjusts prescription automatically to account for environmental changes

HONORS & ACTIVITIES

Dean's list, Rose Hulman Institute of Technology	International Society for Optics and Photonics member
Member of the American Optical Society	Rose Hulman Career Fair Team
NCAA DIII Athlete (Track)	