

Rose E. Engineer

112 S College St; Terre Haute IN 47802 | 812-877-8475 | imanengineer@gmail.com

SKILLS

- Optical design with Zemax
- Designed optical experiments
- Wrote code using MATLAB
- Optical design experience using CodeV
- Maintained open lines of communication with all 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, ESD, 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-API 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
- Member of the American Optical Society
- NCAA DIII Athlete (Track)
- International Society for Optics and Photonics member
- Rose-Hulman Career Fair Team