PHOTONICS ENGINEER RESUME

Objective:

To be able to contribute my knowledge and expertise in Matlab, mathematical modeling software , Labview data collection software, analog electronics, signal processing and computer programming.

Education:

MS Optics Engineering, 2003
New York University

BS in Optics, 1999
New York University

Skills:

- C++, C, Java, HTML
- CODE V, OSLO, Matlab
- Infrared optics
- Acousto-optics
- Electro-mechanical optics

Professional Experience:

- Senior Optical Engineer, 2007-present
- MODIS Consulting Agency, Chestertown, MD

Responsibilities:

- Supervised the designing of various lasers like argon Laser, He-cd Laser and Coherent verdi laser.
- Analyzed the finished products of on interferometers such as Zygo, Michelson and Linik, Mireau.
- Guided test-set alignment by developing error budgets.

- Junior Optical Engineer, 2005-2007
- Company XXX, Chestertown, MD

Responsibilities:

- Designed test plan to align 2.5 m diameter Gregorian Collimator by using software's such as Zemax and CodeV.
- Designed different components by reprogramming designs of focal-plane interferometer.
- Analyzed final WFS data by performing surface figure test.

- Optical Engineer, 2003-2005
- IT CENTRAL, Chestertown, MD

- Modified laser equipments and tested laser systems.
- Performed experiments on transmission of light and images through hair-thin strands of plastic-coated glass fiber.
- Solved problems related to light sources used in fiber optics.

Certifications and Affiliations:

Member of the Optical Society of America.
Member of the Society of Photo-optical Instrumentation Engineers.

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