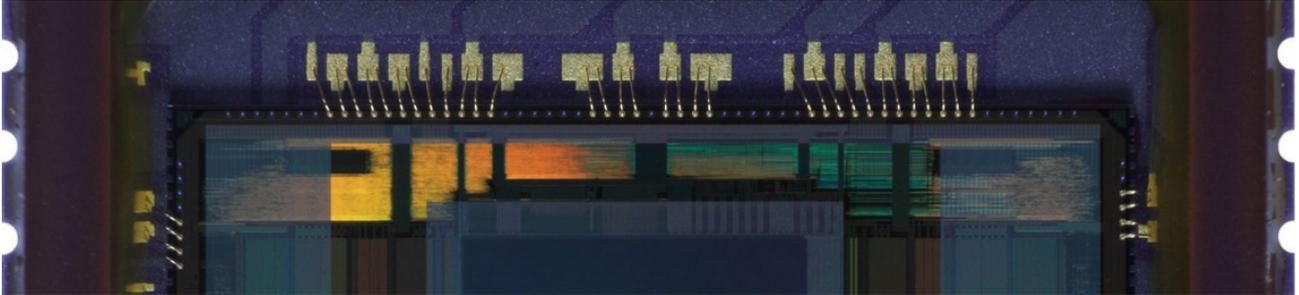




## Analog IC Design Intern



### About Photolitics

We are a team of world-class analog design professionals in providing high-performance analog and mixed-mode circuits for leading custom machine vision CMOS image sensor devices. We have a vast connection network of multi-national companies that shape the market in scientific, medical and industrial machine vision imaging applications. Photolitics is currently looking for highly motivated individuals to start-up its design office in Bulgaria.

### The available position

As an intern you will have the opportunity to gain experience in integrated circuit design, while having the flexibility to continue attending university courses. We offer flexible working hours on a part-time basis where you will develop analog circuit blocks in the guidance of professionals in integrated circuit design. You will learn about semiconductor design and its fabrication steps, and have the ability to gain knowledge in research and development of CMOS image sensors from experts in the field.

The typical internship duration spans from 3 to 12 months. Depending on which year you are in your programme, we can offer collaboration towards a joint diploma thesis development, leading to a physical chip design, fabrication and characterization. After a successful internship placement you have the opportunity to continue your career development plan as an analog IC design engineer.

### Specific Job Duties:

- ◇ Learn and gain relevant knowledge in analog circuit design from senior designers
- ◇ Perform schematic and layout design based on guidance of senior designers
- ◇ Test and characterize imaging sensor systems and integrated circuits

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**Qualifications:**

- ◇ Be through your 3rd or 4th year of your university programme in Electronics, Physics, Telecommunications, Electrical or Control Engineering
- ◇ Be self-driven and self-motivated to develop your skills in electronics and microelectronics
- ◇ Familiarity with lab instruments: oscilloscope, logic analyzer, signal generator etc...
- ◇ Good communication skills

**Other knowledge and experience in one or more of the following fields is preferable, but not required:**

- ◇ Good background in fundamental physics, electromagnetism, solid-state physics, and signals and systems
- ◇ Experience with electronics hobby projects
- ◇ Familiarity with linux operating systems and programming languages such as C, Python, Shell, Perl, Java

**Education:**

- ◇ On your way to obtaining a BSc or MSc degree in electrical engineering, physics, or other relevant field
- ◇ Candidate must be an active team member and be proactive in gaining new skills

**What we offer:**

- ◇ Stimulating work environment and endless possibilities for growth and learning
- ◇ Teaching and supervision on a daily basis
- ◇ Be encouraged to publish work in highly-ranked scientific journals and have the ability to participate in scientific conferences and training courses
- ◇ Working with state-of-the-art CMOS fabrication nodes – with us you will acquire an in-depth knowledge of semiconductor fabrication
- ◇ Flexible working hours
- ◇ Generous relocation package and assistance
- ◇ Competitive remuneration

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Photolitics is an equal opportunities employer.

Additional information on the position can be obtained from Deyan Levski at:

[deyan.levski@photolitics.com](mailto:deyan.levski@photolitics.com)

To apply, please send your application with the usual document (CV), with an example of your prior experience to: [deyan.levski@photolitics.com](mailto:deyan.levski@photolitics.com)