

## **Vacancy: ANSI C99 Programmer Internship**

ASE Optics Europe is a dynamic company focused on the development of custom optics and integrated optical systems. ASE Optics Europe covers projects ranging from the design and construction of custom optical lens systems to fully integrated optical systems such as OCT or laser optical radar.

We currently have an opening for a C programmer to complement our existing team. The successful candidate will be involved in a project for the hardware control of one of our next developments. We are looking for an ANSI C99 (no C++ required) programmer with interests in hardware control, system design, libraries development, system assembling with a variety of hardware devices. We are looking for a motivated individual to work in a multi-disciplinary team. The candidate should be proficient in ANSI C99, and will work with the National Instruments LabWindows/CVI IDE (Integrated Development Environment). Experience with highly-structured programming and complex data structures representation will be a plus. Knowledge and experience in hardware-control API (Application Programming Interface) libraries will also be a plus. The selected candidate will benefit from growing with a team with senior optical engineers and imaging scientist and be expected to have a high level of independence and initiative.

### **Responsibilities:**

- Software libraries design and set-up for the control of hardware devices through third-party API's
- Software architecture lay-out
- Documentation
- Program integration, debugging and test

### **Required skills:**

- Good knowledge of structured programming with ANSI C99 programming language
- Knowledge of State Machines theory
- Knowledge of the hardware systems control set-up and calibration
- Good use of English and/or Spanish

### **Preferred skills:**

- Skilled in National Instruments LabWindows/CVI IDE

### **Benefits:**

- Inclusion in a motivated multi-disciplinary team
- Innovative work, always at the forefront of technology

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- Opportunities for training and personal development

**Contractual details:**

- Contract type: paid internship
- Start date: 01/06/2018
- Contract duration: 4 months
- Candidate level: Bachelors or equivalent