

## Exciting Internship in Computer Programming!! Summer 2009

ANPC provides airspace safety, efficiency, and capacity to users of aviation around the world through state-of-the-art tracking, guidance, and surveillance systems. We are a world-class developer and Original Equipment Manufacturer (O.E.M.) of several system platforms, including the fixed Transponder Landing System (TLS), and several variants of the military Transportable Transponder Landing System (TTLS). You can learn more about our company and its products by viewing our website at [www.anpc.com](http://www.anpc.com).

ANPC is presently seeking interested candidates for a Computer Programmer summer internship. Engineering Internships and Co-op (active year round) programs at ANPC are designed for undergraduate and graduate students. They are invaluable for two reasons: First, they provide ANPC with an opportunity to recruit and evaluate students for full-time positions; and second, they provide college students with — in addition to a paycheck — real-life, on-the-job experience in their field of study.

Computer Programmer internship positions at ANPC are paid positions available during the summer months, generally from June into September, at our headquarters in Hood River, OR. The work block is 10-12 weeks, with a minimum of ten weeks required, and with a minimum of 40 hours of work per week required. A summer internship can further develop into a year-round co-op position, if agreed upon by ANPC and the intern at the end of the intern period. The intern position will:

- Update Configuration Management (CM) database item name and description fields to match naming conventions
- Add manufacturer data sheets to CM directories, and create links from database
- Develop matrix of additional functions needed to optimize CM database across all user groups
- Define, design and implement additional CM database functions
- Define, design and implement an archive of historical manufacturing test data
- Document theory of operations of manufacturing test scripts
- Implement theory of operations into C++ code, and update test scripts as needed

Internship candidates for this position need to meet the following requirements:

- Currently enrolled as a full-time student in a Computer Science or Computer Engineering Bachelor's degree program, at an accredited college or university
- A minimum of two years of college studies completed, and continuing the semester following the internship



## **ANPC Internship Opportunities Summer 2009**

- Studying a discipline relevant to the internship/co-op focus
- Have excellent oral and written communication skills
- Have a cumulative GPA of 3.0 or higher
- Have authorization to work in the U.S.
- Demonstrate potential for hire upon graduation

If you are interested learning more about these exciting internship opportunities, please contact Mike Van Dooren at ANPC - phone 541-386-1747 x221. Resumes should be submitted via e-mail to Patty Huddleston at [phuddleston@anpc.com](mailto:phuddleston@anpc.com).



## **JOB DESCRIPTION**

Position: COMPUTER PROGRAMMER INTERN  
Department: Software Engineering  
Reports To: Jeff Zipfel, Configuration Data Manager  
Mentors: Mike Van Dooren, Engineering Director & Chris Going, Mfg. & Test Engineer

### **JOB SUMMARY:**

Engineering Internships and Co-op (active year-round) programs at ANPC are designed for undergraduate and graduate students. This work experience will develop the intern's analysis abilities, project design, database programming, and implementation skills. Interns will also gain an understanding of configuration management systems. By the end of the internship period, the intern will have covered all items in the "essential functions" section below.

Internship positions at ANPC are paid positions available during the summer months, generally from June into September, at our headquarters in Hood River, Oregon. The work block is 10-12 weeks, with a minimum of ten weeks required, and with a minimum of 40 hours of work per week required. Benefits offered with this hourly wage position are two paid holidays during the summer term (July 4<sup>th</sup> and Labor Day).

### **ESSENTIAL FUNCTIONS:**

1. Update Configuration Management (CM) database item name / description fields to match naming conventions
2. Add manufacturer data sheets to CM directories, and create links from database
3. Develop matrix of additional functions needed to optimize CM database across all user groups
4. Define, design and implement additional CM database functions
5. Define, design and implement an archive of historical manufacturing test data
6. Document theory of operations of manufacturing test scripts
7. Implement theory of operations into C++ code, and update test scripts as needed
8. Other duties, as assigned.

### **ESSENTIAL KNOWLEDGE & SKILLS:**

1. Database theory and/or database design classes
2. Second year software programming classes
3. Microsoft Access programming skills
4. Visual Basic programming skills
5. Problem solving skills
6. Excellent analytical skills
7. Excellent verbal and written communication skills, including MS Office products
8. Ability to work effectively with minimal supervision, and also in a team environment.

### **MINIMUM QUALIFICATIONS TO BE CONSIDERED FOR THIS POSITION:**

1. Currently enrolled as a full-time student in a Computer Science or Computer Engineering Bachelor's degree program, at an accredited college or university
2. A minimum of two years of college studies completed, and continuing the semester following the internship
3. Studying a discipline relevant to the internship/co-op focus
4. Have excellent oral and written communication skills
5. Have a cumulative GPA of 3.0 or higher
6. Have authorization to work in the U.S.
7. Demonstrate potential for hire upon graduation.