

Take Your Career to the Next Level!

Learn from the Leader in High Performance, High Assurance, Communication Middleware

Q Who is Objective Interface Systems (OIS)?

A OIS is a well-established, company that develops commercial software products for a broad spectrum of customers and markets. Established in 1989, OIS continues to be a pioneer in the development and adoption of Common Object Request Broker Architecture (CORBA) technology for distributed real-time and embedded environments.

Q Why OIS?

A Because OIS will broaden your technical skills, give you valuable experience, and enhance your resume. You'll also learn what it feels like to be part of a successful and very respected product engineering team. After working at OIS you'll have a better foundation for your future.

Q What kind of products do you develop?

A OIS develops a variety of middleware solutions. *ORBexpress* is the most widely adopted CORBA implementation in the Military and Aerospace markets. Another product *DMMfx* (Digital Molecular Matter), a modeling and simulation technology, enables real-time material physics modeling to break and deform objects.

What type of skills do I need?

Some or all of the following is suggested:

- OOAD
- Java/C++/Ada
- Real-time theory
- Knowledge of operating systems and compilers
- Processor Architectures
- Assembly Language
- VHDL
- Engineering Project Management
- Distributed Computing
- Networking Protocols

What area(s) will I be involved in?

- Product Development
- Product Testing
- Infrastructure Development
- Information Technology

What kind of projects will I work on?

Examples include:

- Build and configure RTOS kernels
- Create/execute software tests
- Enhance internal systems

What skill sets will I develop?

Exposure to a wide variety of technologies and their usage by a wide variety of customers. Knowledge of distributed communications frameworks.

Where is OIS located?

Herndon, Virginia, a part of the Dulles Technology Corridor just outside of Washington, D.C.

How do I apply?

www.ois.com/internship.html

Are there any special requirements?

- U.S. Citizen
- Fields of interest (not limited to)
 - Computer Science
 - Computer Engineering
 - Electrical Engineering
 - Engineering Project Management

Note: Qualified OIS employees and interns are eligible for the tuition assistance program. Complete details are available upon request.



About Objective Interface Systems:

Objective Interface (OIS) is a recognized pioneer in the development and adoption of advanced real-time Common Object Request Broker Architecture (CORBA) technology. Widely considered “experts” within the real-time and the Software Defined Radio community, OIS continues to develop cutting edge, real-time commercial applications through continuous research and development efforts.

OIS is an active member of the Object Management Group (OMG), a standards group specifying a common architecture for building distributed systems, common services for use in such systems, and protocols for interoperability among implementations. As a key contributor in the development of CORBA and DDS standards OIS has been directly involved in the following standards: Real-Time CORBA, High Assurance CORBA, CORBA/e the new minimum CORBA, Lightweight Services, High Performance Enablers, Fault Tolerant CORBA, Data Distribution Specification, Portable Interceptors, Dynamic Scheduling (Real-Time CORBA v2.0) and Multicast: Unreliable and Ordered Reliable.

As developers of high-performance middleware, we provide our customers with advanced real-time connectivity software development tools for use in products throughout the military/aerospace, high assurance, tele-communications, data communications, process control, medical equipment, robotics, finance, transportation and consumer electronics industries.

A privately held company, OIS has been developing high-performance software applications since 1989.



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Did you know?



1. ORBexpress has been independently tested to be the fastest and smallest ORB ever deployed.
2. ORBexpress is the most widely adopted communication middleware in the Military and Aerospace Marketplace.
3. OIS engineers are the “go to subject matter experts” in CORBA and Communications Middleware, especially in Software Defined Radio.

High Performance Middleware

CORBA—Still the best way to connect many devices.



ORBexpress® is a high performance, high assurance implementation of CORBA. As a standards based solution, software developers have the ability to simplify the development of distributed software applications and build scalable, efficient and robust applications. Highly optimize for performance, ORBexpress provides developers with a small footprint ORB that is fast, predictable and reliable. Using a commercially supported ORB means developers can focus on application development, not system code.

DMMfx: Finite elements. Infinite Results.™

Using finite element analysis and physics modeling, simulation developers need not animate objects to depict deformation, fracture or bending. 3D models enabled with DMMfx will simulate real-world properties as they interact with each other, all in real-time. Glass will shatter. Metal will shear. Concrete will crumble.



The ORBexpress Ecosystem

