



Software Developer – Human Interface Designer

for a real-time automated tracking system

We are growing ...

Do you

- want to create state-of-the-art technology for the global entertainment industry?
- enjoy problem solving and innovating?
- want to join our team to deliver truly exceptional software?

Your challenge

You'll be working with software used around the world to previsualize and design lighting effects for large scale entertainment like DJ Tiesto, U2, Harry Potter, Super Bowl halftime shows, Nobel Prize Banquet, and the Commonwealth Games to name but a few of the most recent projects. As a human interface designer, you will be helping CAST to expand our product line with BlackTrax and BlackBox, a technological breakthrough for the first time allowing video projectors to automatically project video on moving people or scenery, or cameras to automatically follow skaters throughout a performance, or to automatically synchronize pyrotechnics with lights and sound the moment an actor takes a bow. Our BlackTrax tracking system pinpoints an object to within millimetres and BlackBox coordinates that positional data with any number of effects or lights. You and our team will enhance lighting, audio and video effects for film, video, live performances, and major theme parks around the world, making these events more interactive and creative... just imagine the possibilities!

You'll need a handle on these hard skills

- A human interface designer, experienced with iterative design, implementation, and testing of user centric interfaces
- An advanced C++ developer, having a strong development knowledge of and familiar with good development practices, who can assist in design, implementation, and maintenance of product code base
- A GUI designer, proficient in the following technologies: QT SDK framework, Visual Studio C++ .Net, and OpenGL
- An integrator, combining feature requirements with user needs to propose solutions that deliver intuitive GUI designs to control both the software and hardware system components
- Experience designing simple, friendly, and ease-to-use interfaces capable of doing extraordinarily complex tasks with a minimal user learning curve
- Artistic and creative experience, adding beauty and elegance to the interface
- Construct and administer usability tests
- Attention to detail to facilitate a polished user-experience

It's a big task; here are the key soft skills we're looking for

- A communicator, possessing good verbal communications skills and able to present and defend your ideas with the team, outside technology providers, and executive management.
- Be an inspiration for innovation; both foster and capture innovations, lessons learned, and successes on projects, and share them with the wider organization

- Be a self-starter, a go-getter, someone who gets the job done with minimal or no supervision; talk to the users, talk to the developers, and meet the needs of both
- Maintain strong expertise and knowledge of current and emerging technologies

The Development Environment you'll be working in

- SVN Source Control
- Automated build scripts
- User-centric iterative design mentality
- Microsoft Visual Studio and QT programming environment
- Collaborative development space
- Software Dev., Q.A., Marketing, Library Modelling, and Tech. Support Teams

Interview Expectations

- Interface Design Skill Testing
- C++ Code Writing
- Problem Solving Tests

Your reward

- Base compensation will be industry standard +
- Possible incentive compensation at discretion of Executives
- Health and dental benefits
- Fulltime, permanent employee

Our culture:

We're a small company, 30 employees, in business for 16 years. Through collaboration everyone in the company works coming up with creative ways to translate concepts and ideas into practical solutions. We deliver *wysiwyg*, a design and previsualization software, to the full spectrum of professionals in the entertainment production throughout the world. Our event planning software, Vivien, is globally distributed to the meetings and special events industries. We have about 135 dealers in our worldwide network who help us achieve market dominance. Check us out: www.cast-soft.com.

As a break from world changing software, we have weekly company lunches in the office where we all come together, catch up and laugh a lot. We have a great environment and well-appointed kitchen. It's a good place to be.

Location:

CAST is located at 35 Ripley Avenue, Suite 1 on the southwest side of Toronto, ON (Tel: 416.597.2278). You can drive, take TTC (Queen car to South Kingsway and walk a block, or the Subway to Runnymede and a short bus ride), or bike it in the summer.

Contact:

Questions and resume to HR@cast-soft.com. Please include portfolio pieces with your resume that represent your design skills. We will reply only to those candidates who are shortlisted.