Intern – UX/UI designer

The complexity of the internship will be adapted to the level of the student selected.

BOMBARDIER

At Bombardier, our employees work together to evolve mobility worldwide - one good idea at a time. If you have a good idea, we’ll provide the environment where it will thrive and grow into a great product or customer experience. Your ideas are our fuel.

The UX/UI design intern will lead design and research projects to develop new technology and incorporate existing consumer technology into the business aircraft cabin. The ideal candidate is part UX designer, inventor, part tech geek and part software designer – bringing curiosity and creativity, software and electronics chops, a problem-solving approach and a strong focus on creating rich used experiences through clever and innovative tech implementation. A strong focus will be on building prototypes and proofs-of-concept to test and validate design concepts in cabin environment control, entertainment and connectivity through direct experience and iteration.

The UX/UI design intern will be a member of the Bombardier Business Aircraft Industrial Design team. In addition of his technical literacy, primary qualities will be creativity, his desire to question the status quo of the industry and his capability to interact with a team of creative minds. Together we will design and define the future of the cabin technology in the business aircraft industry.

In your role, you will:
- Support new concept developments in technology and by ensuring their technical feasibility and their potential compliance or challenges with certification.
- Create Validate cabin use scenarios using emerging technologies
- Develop software and GUI prototypes incorporating multiple systems for proof of concept
- Develop GUI wireframes and quick mockups
- Prototype and validate Consumer electronics equipment architecture using available hardware (and software/apps
- Be comfortable in a workshop setting to fabricate physical mockups
- Develop and validate various CMS /IFE use-scenarios, end-to-end (sequence of steps, devices, apps, etc.)
- Monitor technology and applications emerging in aerospace and consumer tech
- Setup test procedures and define metrics to substantiate successful ideas and concepts
- Support collaborations with universities and government organizations
- Write technical reports summarizing the scope of the project and the lessons learned for future
- Integrate and Collaborate with multi-disciplinary teams, including Industrial Design, Engineering, Production, Advanced Design, Product Strategy, Marketing, Customer-Facing teams and Customers, Universities and Academia,

Template Version: September, 2018
- Bring products from Research, Conceptual and Technical development, through user testing and validation, into detailed engineering and qualification, and ultimately into production aircraft.

**Qualifications**

As our ideal candidate, you
- You are enrolled in a Bachelor or Master’s degree in Electrical, Aerospace Engineering, Interaction Design, Industrial Design or any other relevant academic background with substantial experience
- You can present a solid portfolio of your projects you have worked on in the past
- You are familiar with UX prototyping tools such as Sketch, Adobe XD, Proto.IO or equivalent.
- You have a good knowledge of basic mockup techniques (Arduino, Prototyping boards, sensors I/O)
- You have experience in App development/coding for IOS and Android (C++, Python or equivalent)
- You are familiar with simple electronics systems
- You have good oral and technical writing skills in English and French (required)
- You are motivated, self-starter, organized, autonomous and able to work under limited supervision
- You can work along with creative minds in an R+D environment unclear scope
- You balance the open-mindedness of exploration with the discipline to deliver results on time
- You are a team player and able to work with suppliers and customers.
- You are a dynamic person with initiative, a strong sense of responsibility and good judgment

*Bombardier is an equal opportunity employer and encourages women, Aboriginal people, persons with disabilities and members of visible minorities to apply.*

**Your ideas move people.**

Please send your application to:
Nikolas Beaudin at Nikolas.Beaudin@aero.bombardier.com OR
Philippe Erhel at Philippe.Erhel@aero.bombardier.com