Thesis Projects in User Experience, Service Design and AI/ML at ASSA ABLOY Shared Technologies in Stockholm

Are you searching for an opportunity to write a thesis with an exciting company that develops and designs technologies that are being used by millions of people every day?

ASSA ABLOY, the global leader in door opening solutions, is using the latest technologies to open doors to events, hospitals, education, homes, hotels, airports and businesses. Joining ASSA ABLOY means being part of a fast-moving company with many opportunities.

As a thesis student in the fields of user experience, interaction design, cognitive science, internet of things or artificial intelligence you will be supported by our UX design team consisting of researchers, interaction designers and user interface designers. Working with us, you will have opportunity to do hands on quantitative and qualitative research in our UX lab. Also, you will be in contact with our engineering colleagues who will support you along the way from technical perspective. You will be a part of a creative organization, based on the core values: agile, trust, innovation, and humor and fun.

We have defined a few areas that we strongly believe would be great thesis projects, but don’t hesitate to contact us if you have any other suggestion.
Seamless access

When barriers become discreet to the point of invisible and ubiquitous, how does that affect users’ sense of safety? What is the seamless equivalent of a door with a bar and padlock? Will our sense of something being safely locked and protected change? What mechanisms need to be in place to create a sense of safety in a world with fewer manual locks?

IDEAS FOR TOPICS
- How can we design access systems in a way that ensure everyone’s equal access regardless of customary dress codes?
- How can seamless access be used to make buildings and societies more sustainable?
- What could an application of seamless access look like in a transportation setting?
- How should seamless access systems be designed to meet the needs of all users considering a continuum view of abilities?

Suggested keywords: interaction design, service design, HCI, sociology, anthropology, psychology

IoT, machine learning, artificial intelligence and UX

Mobile First is challenged by AI First. Does the user really need an app for a certain functionality? If not an app, what is it? While driving users might prefer to talk to accomplish something? While in front of computer users might want to do more advanced tasks and clean up/enhance work done on the run. To open a door can users talk, can they make a gesture? Will the AI understand what is best for them and have that presented? Will it already have solved it for them and just inform them what it did (so that they are aware)? Or, will it just manage everything invisibly in the background (no news is good news)?

IDEAS FOR TOPICS
- How to design an interface that predicted user behavior based on context?
- How do we best design technology that learns user behavior?
- What is a potential application of voice recognition and command for our security technologies?
- How could chatbot technology be used for security purposes?

Suggested keywords: machine learning, artificial intelligence, internet of things

Why UX in Shared Technologies?

Shared Technologies works to make ASSA ABLOY known as a leader in innovation. We aim to create customer value by streamlining and shortening the development time for the innovative products and platforms we develop.

You will be working with colleagues from all over the world in an open-minded work environment. Our work methodology includes design thinking method where we utilize our UX lab for conducting user research, our creative workshop for rapid prototyping,
and our design system and branding guidelines for making all of our products/software shine!

What You Need to Apply
Please send us your CV and a cover letter describing a bit about you and why you want to work with us. If you find any of our suggested thesis topics interesting, please motivate your reasons why and explain how would you approach that problem. If you have any other idea for thesis, please describe it and then let us see how we can support you.

CONTACT AND APPLICATION
Last day for application is the 31st of December 2018.

For further information, contact Ingrid Bertmar, Product Innovation Manager, +46 702252463, ingrid.bertmar@assaabloy.com.

Let’s open the doors to the future - together!