UI design – Ship officer’s wireless helm
a small boat for public transport

Opportunity to contribute to innovative solution for urban public passenger transport!

Transport on water is one of the most energy efficient ways to perform transport. The Cstrider system is designed to meet the unique needs in each city. The solution is developed with sustainability and environmental care and the aim is to reduce commuting time and to increase the quality of urban living.

Our solution reclaims the natural infrastructure resources which are the existing waterways and our product contributes to UN global Sustainable Development Goals (SDG’s) 11 and 13, but also 9, 12 and 14. Public transport is key when improving our environment and reducing climate impact from transport. In an urban context accessibility and flexibility are important factors to make travellers choose their means of transport. Moreover, reliability and safety are first priorities in public transport.

The purpose of this thesis work is to design a user interface for the ship officer onboard. The role of a ship officer is different when the vessel is highly automated (navigate and dock by itself). As no conventional helm exists onboard the wireless helm will be main control/monitor. Managing passenger safety in emergency situations and when loading/unloading are most important. Thus, some functions are manually activated, e.g. mooring release and gangway manoeuvring. Overrun of automation functions and manual navigation to port ought to be possible.

A successful thesis work with commercially viable design proposals might be applied on Cstrider product demos and in tests with customers.

Details:

- Period: Spring 2024
- Number of credits: 30 ECTS/högskolepoäng (hp)
- Number of students: 1-2
- Location: Flexible (minimized travel is preferred)
Your responsibilities

- Execute a typical design cycle of defining requirements, limitations, producing a concept and evaluating it
- Explore and design alternatives
- Propose a UI prototype (e.g. Figma) and/or UI design guidelines

Your background

Any of the below:

- Design & Human Factors
- Human-Computer Interaction
- User Experience Design
- Interaction Design
- Cognitive Science
- Industrial Design

More about us

Cstrider is a startup that offers great opportunities to flexible thesis work, but limited possibilities for employment after finalized thesis work. We have offices in Gothenburg and Trollhättan. For enquiries contact Tobias Husberg, tobias.husberg@cstrider.com. Positions are filled continuously. Apply with your CV, academic transcripts and a cover letter in English. We look forward to receiving your application.