



Front-end (React) Developer at Carleton Immersive Media Studio

We are currently seeking people to fill positions (part-time or full-time) as developers in the CIMS lab. If you are interested in a position at CIMS, please submit your CV and portfolio/link by email to Professor Stephen Fai, Director, CIMS, with cc. to Lara Chow, Associate Director.

Contact: Professor Stephen Fai
Professor, Azrieli School of Architecture & Urbanism
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Lara Chow
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Background & Description of Organization:

Carleton Immersive Media Studio (CIMS) is a Carleton University Research Centre (CURC) affiliated with the Azrieli School of Architecture and Urbanism and the Department of Civil and Environmental Engineering. Our research addresses the development of hybrid workflows that both acknowledge the invisible measures of architecture and animate the visible world of construction. Our work uses established and emerging digital technologies to explore and support architectural rehabilitation, heritage conservation and built-asset management. We are advocates for the thoughtful and critical integration of computing and information technologies within existing cultural and disciplinary contexts — eschewing the evangelical rhetoric that often surrounds “the digital”.

Over the past decade, CIMS has developed an international reputation — working with public, private, and not-for-profit partners — to create a culturally rich and diverse portfolio of projects. We are engaged in five streams of research: Digitization, Building Information Modelling (BIM), Simulation, Digitally Assisted Fabrication, and Digitally Assisted Storytelling. Information on past and current CIMS projects is available online at <http://www.cims.carleton.ca>.

Job Description: Front-end (React) Developer

As a React developer, you will have the following responsibilities and duties:

- Responsible for the development of a highly-responsive, web-based user interface
- Construct visualizations that are able to depict different types of data
- Work and collaborate with a multidisciplinary team
- Develop a flexible and well-structured front-end architecture

Soft Skills

- Excellent communication skills
- Ability to work independently and in a team environment
- Ability to collaborate with multidisciplinary team members
- Ability to provide and receive constructive criticism
- Problem solving skills

Technical Skills

- Experience working with a JavaScript framework (preferably React, ideally React-Redux) and other web-based programming languages (HTML, CSS, PHP)
- In-depth understanding of JavaScript, the DOM and relevant concepts
- Proficiency with browser-based debugging and performance testing
- Understanding of progressive web apps
- Advanced knowledge of programming concepts (functions, arrays, lists)
- Experience with testing frameworks (eg. Jest/Mocha)
- Experience using Git
- Familiarity with REST API's
- Knowledge of databases
- Familiarity with popular web-based plugins and JavaScript libraries (eg. JQuery, Three.js, Charts.js)