

## Internship – Web Development

[Breast cancer](#) is the most frequently diagnosed solid cancer and second leading cause of cancer death among women. In most countries all the women beginning from a certain age should pass a mammography exam to detect the cancer as early as possible. Whereas this demands a large number of radiologists to analyze all the images, a lot of countries are missing experienced breast radiologists.



1 in 8 women affected during her lifetime



Every 1000 women screened, 5 will have breast cancer.  
But 100 will be recalled for further testing.

We can do better !

[Therapixel](#) is a spin-off Inria created in 2013 specialized in medical imaging with 12 employees. We are renowned for winning the [Digital Mammography DREAM Challenge](#) [1,2], a world-wide competition organized to improve the state-of-the-art in automatic mammography screening. Recently, we successfully closed a 5M€ series-A fundraise to accelerate the development of an algorithm for improving breast cancer screening.

### Internship description:

You will join the development team and support it with your experience in web front-end development. You will help designing a cutting-edge web UI interfacing a homemade cloud API that performs analysis of mammography images using machine learning techniques, and returns important clinical information back to the user. Using a modern framework that supports web components, every part of the web application will be modular and testable. Not only will you gain considerable coding practice but also help with your analytic skills to e.g. identify design problems, help designing workflow and event management etc.

### Candidate description:

- BAC+4 or BAC+5
- Motivated and eager to learn new things
- Good understanding of modern Web development (WebComponents, Modules, Templates, ES6 etc.)
- Good web coding skills (HTML, CSS, JS)
- Good oral and written English skills
- Familiar with tech stack: node.js, npm, git

- Some experience with at least one popular framework (AngularJs, React, Vue, Ember...)
- Ideally: some unit/integration testing experience: mocha, chai, sinon, jest, cypress...

**Modalities :**

Internship length: 6 months  
Internship location: 06560 Valbonne Sophia Antipolis, rue Claude Daunesse  
Salary: 1700 € net / month  
Contact e-mail: [stages@therapixel.com](mailto:stages@therapixel.com). Put [stage-ui] in subject.

Note that this internship could lead to a full dev position at Therapixel.

Please include your resume, motivation letter, and grades obtained so far.

*Join Therapixel – help in building the medicine of the future*

**References:**

[1] DM Challenge Yaroslav Nikulin (Therapixel) write up. Available:  
<https://www.synapse.org/#!Synapse:syn9773040/wiki/426908>.

[2] Therapixel Press Release <https://goo.gl/BSG6rZ>