

IDP

OCELL

# Development of an aerial imaging frontend in Angular

## About Ocell

OCELL builds innovative earth observation solutions for manned and unmanned aerial vehicles. We invented a new approach for collecting aerial data with higher resolutions than satellites and for bigger areas than what drones could deliver. OCELL uses various machine learning approaches to extract valuable information from these data sets.

## What we want to achieve

Our imagery data needs to be displayed to the customers in a Google Maps-like interface. For this we're leveraging web-technologies like Mapbox and Angular. This frontend displays multiple spectral data layers in the form of raster tiles but also vector graphics. There are thousands of machine-learning generated geo-information data points, which need to be processed and visualized efficiently in the browser for a convenient user experience.

## What we offer

- Early involvement in a startup
- A fascinating mix of HW and SW
- Self-responsible work style
- Having a say in technical decisions
- Guidance and support
- Supervisor: Prof. Diepold (Chair for Data Processing - EI)

## What we expect

- Motivation and technically adeptness
- Javascript/Typescript experience
- Experience with web development
- UX experience
- EI7768/EI7745 or other relevant modules

If you are interested please contact us: [info@ocell.io](mailto:info@ocell.io)

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