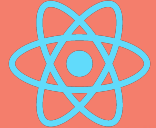


# Multiobjective optimization & Full-stack development



The Multiobjective Optimization (research) Group at JYU's IT faculty is looking for a summer trainee interested in:

- Contributing to **open-source software**
- Supporting decision making in real life problems
- Full-stack web development
- Learning about multiobjective optimization

## We offer you:

- An international working environment
- The freedom to express your creativity and voice your own ideas
- A taste of what real research in IT may be like
- Work experience and the possibility to expand your portfolio
- The possibility to continue your work in a **BSc/MSc/PhD thesis** in our group
- Regular mentoring
- **Money**

## We expect from you:

- At least basic knowledge in **Python and TypeScript**
- Nimbleness in Linux environments and being able to tell the difference between git and GitHub
- Initiative and a fearless attitude to tackle **challenging problems**
- An interest in supporting decision making with multiobjective optimization

You will be developing modular **front end web-interfaces** for various **interactive multiobjective optimizatoin methods**. The front end is build using **node.js** and **React**, and it is connected to a **back end implemented in Flask** through a **RESTful API**. The API exposes methods found in the **DESDEO framework**, which is also being developed by us. You will be also offered the possibility to contribute to the API and DESDEO itself. If you understood most of the terminology present in this paragraph, you are probably fit for this position.

Interested? Contact: [kaisa.miettinen@jyu.fi](mailto:kaisa.miettinen@jyu.fi)

Read more: [mit.jyu.fi/optgroup/](http://mit.jyu.fi/optgroup/) and [desdeo.it.jyu.fi](http://desdeo.it.jyu.fi)

