

## **Amsterdam municipality is looking for 4 thesis interns (MA) Business Process Mining and Modeling**

**Duration:** 6 months, Start date: in consultation

### **Preface**

Amsterdam is a dynamic metropolis with great ambitions: Creating an excellent urban climate of living, working and leisure, but also a decisive and effective government. The city is a 'living lab', where metropolitan tasks are both a challenge and an opportunity to develop and apply new insights, technologies and practices.

### **Your tasks**

Amsterdam municipality is looking for 4 thesis interns (WO) Business Process Mining and Modeling who are able to gain insight into existing process equipment and systems in the municipal information chains within the domains Subsidies, Finance, Public Space and -Licenses. On the basis of your research, you will make proposals for improving the process and system design, where you also look specifically at the relationship and links with the use and use of high-quality data and data services (APIs).

Your research offers starting points for the calculation and substantiation of the quantitative and qualitative yield of high-quality information in the processes. To this end, you work together in a multi-level network with members of the Innovation Team CTO, Basisinformatie, Datalab, Resources and Control and IV Organization.

In consultation with you, the Analytics for Information Systems (AIS) department at the TU / e and the municipality of Amsterdam, the thesis assignment, research hypotheses and research questions will be further elaborated. You will have time and space to work on your thesis on the job.

### **Your profile**

- You are in the master phase of a university study (such as Business & ICT, Information Science, Mechanical Engineering, Physics, Mathematics, Informatics, Data Science, Industrial Engineering or Econometrics);
- You have strong analytical skills;
- You have knowledge and experience with methods and techniques such as modeling business processes, workflow management, process mining and tooling for Business Intelligence (BI) research.
- You are communicative and able to come up with good solutions in a team;

### **Workplace and fees**

Internship and travel allowances are available (in accordance with internship conditions Amsterdam). The trainee is obliged to submit a Declaration on Behavior (VOG). You will receive a physical workplace at one of the organizational units of the Innovation team CTO, Basic information, Services and / or IV organizations within the domains. Hours and division of labor in consultation.

**If you are interested or if you have questions about the vacancy,** please contact Paul Geerts, Municipality of Amsterdam  
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