

Research & Development Summer Intern - Development of Trial Planning Platform

Jūsų užduotys

HOW YOU WILL MAKE AN IMPACT

Research & Development Summer Intern - Development of Trial Planning Platform will focus on developing an integrated digital tool that consolidates global trial requests, raw material forecasting, and trial readiness documentation into a single, streamlined platform. The tool will support up to a **three month planning horizon**, deliver **semi-automated raw material demand forecasts**, and include a **short term priority system** to highlight trials planned within the next month.

By combining several existing processes—including the Global Trial Batch Request tool and the current tracer kickoff / pre production / post production questionnaires—the intern will create a unified solution that improves visibility, efficiency, and planning accuracy across the organization.

Project Objectives:

1. Build a Forecast Tool for Raw Material Demand
 - Develop an automated system to **explode trial formulations** into raw material requirements
 - Generate material forecasts **up to three months in advance**
 - Provide **visibility to supply chain and plant teams** to ensure material readiness
2. Integrate a Trial Priority Model
 - Implement a **dynamic priority scoring system** for trials scheduled in the upcoming month
 - Highlight **urgent, strategic, or customer critical** requests
 - Provide a **simple dashboard view** for leadership decision making
3. Combine with Global Trial Batch Request Tool
 - Consolidate **data inputs** to eliminate duplicate forms and conflicting trial information
 - Ensure trial requests **link seamlessly** to material forecasting
4. Incorporate Trial Questionnaire
 - **Digitize and embed** the tracer kickoff, pre production, and post production meeting questions directly into the workflow
 - Create a **consistent data record** that follows each trial from initiation through closeout
 - Enable **automated reporting and documentation** generation
5. Deliver a Unified Interface



Darbo ID
REF94517E

Darbo sritis
Moksliniai tyrimai ir plėtra

Vieta
Vinčesteris

Juridinis asmuo
O'Sullivan Films, Inc.

- Provide a **single portal or dashboard** for trial planners, development engineers, plant personnel, and technical managers
- Improve **cross functional transparency** and reduce communication gaps

Project Deliverables:

- Functional Prototype of the integrated forecasting and planning tool in Mendix
- Documentation on system Architecture, data flow, and user instructions
- Dashboard showing:
 - Forecasted Material demand for upcoming Trials
 - Priority Ranking for Near Term Trials
 - Trial Status and Questionnaire Completion
- Recommendations for long-term implementation and hand off to development team

End of Internship Leadership Presentation – Deliver a polished, professional presentation to the management team summarizing your findings, recommendations, and project impact.

Reikalavimai

WHAT YOU WILL BRING TO THE ROLE

- **Currently enrolled** in a U.S.-accredited college, university, or technical school with a **minimum 2.8 GPA**.
- **Pursuing a degree** in Chemical Engineering, Mechanical Engineering, Material Engineering, or Chemistry, or a related field of study.
- Comfortable working with **digital tools** and have an interest in **technology-supported problem solving**, including data modeling, workflow automation, data analysis or digital documentation systems.
- Enjoy **integrating** scientific work with computer-based tools and systems
- **Proficient in MS Office Suite, Outlook & Internet applications.**

Additional Details

- This is a **paid, full time summer internship**. Internship dates are between **May 18 - August 7**.
- **Relocation and housing assistance are not provided.**
- **Legal authorization to work in the U.S. is required.** Sponsorship for employment visas is not available now or in the future for this role.

Mes siūlome

THE PERKS

- Competitive Pay
- Hands-on Experience with the Team
- Project Experience
- Networking Opportunity
- On-Site Gym
- And more benefits that come with working for a global industry leader!

All your information will be kept confidential according to EEO guidelines.

EEO-Statement:

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THE COMPANY

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