

Research & Development Summer Intern - Development of Trial Planning Platform

Feladatok

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



Job ID
REF94517E

Munkaterület
Kutatás és fejlesztés

Telephely
Winchester

Jogi egység
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.

Profilja

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.

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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

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent, and affordable solutions for vehicles, machines, traffic, and transportation. In 2023, Continental generated sales of €41.4 billion and currently employs around 200,000 people in 56 countries and markets.

ContiTech is one of the world's leading industry specialists. The Continental group sector offers its customers connected, environment-friendly, safe, and convenient industry and service solutions using a range of materials for off-highway applications, on rails and roads, in the air, under and above the ground, in industrial environments, for the food sector and the furniture industry. With about 42,000 employees in more than 40 countries and sales of some 6.8 billion euros (2023), the global industrial partner is active with core branches in Asia, Europe and North and South America.

Are you ready to shape the future with us?