

# Research & Development Summer Intern - Development of Trial Planning Platform

담당 업무

## 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



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모집 분야  
연구개발

지사  
원체스터

법률 고지  
**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.

#### 지원자 프로파일

#### 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.

#### 채우 조건

#### 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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기업 소개

**THE COMPANY**

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