

California State University San Bernardino  
School of Computer Science and Engineering

**CSE 575 Internship in Computer Science**

**Date**

April 23, 2020

**Time**

2:00PM

**Location**

<https://csusb.zoom.us/j/96516707834>

**Title**

Clariant Internship: Automated Flaw Detection System  
using PLC and VPM

**Student**

Anthony Stafford

**Advisor**

Dr. Yunfei Hou

**Abstract**

The Clariant Corporation features many professional chemical products, including the Humitector. This product requires high levels of flaw detection and consumes many man-hours of inspection. This internship had the goal to bring the automated error detection system online and to save those man-hours for a more productive use. Using vision processing and micrologic controllers this project will check for any flaws in the Humitector and reject any faulty product.