BAI INTERNSHIP AT SUREWASH

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THE COMPANY
• Surewash designs products that can train and evaluate handwashing skills using computer vision techniques in a hospital environment.

LEARNING OUTCOMES
• Programming in a professional environment.
• Documenting software.
• Best practices in web security.
• Optimal design in data structures and algorithms.

DATA ANALYTICS PROJECT
• Analyse the company database using Python scripts.
• Build a website out of these scripts.
• Host this website online using AWS.

POTENTIAL IMPROVEMENTS
• Introduction to using libraries and other open source software.
• Introduction to using debugging tools.

PRODUCTION OPTIMISATION PROJECT
• Accelerate and improve quality control of product commissioning using mass deployment software.

HOW DO I CONTRIBUTE
• I can provide an outside perspective for the company.
• Lead challenging new company projects using knowledge from my degree and past experience.

EXAMPLE FROM DATA ANALYTICS PROJECT
HOW DIFFERENT PEOPLE USE SUREWASH PRODUCTS

GROUP A

GROUP B

Level progression
Total uses
Heatmap of levels chosen
Level progression
Total uses
Heatmap of levels chosen

Number of times previously used
Number of sessions
Number of sessions completed
Number of sessions
Number of sessions completed

School of Computer Science & Statistics (SCSS)
Faculty of Engineering, Mathematics and Science

Computer Science Internship
Surewash (Glanta DAC)