**Gilbert Grape**

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# **EDUCATION**

Ecole de Management de Normandie

Bachelor of Science in **Environmental Science,** June 1984

Telecom ParisTech

Master of **Engineering,** May 1987

**WORK EXPERIENCE**

**Optimum Engineering**

**Production Engineering** January 1988 – November 2009

* Solely handled all Production Engineering responsibilities, for 5 months, on three high-speed bottling lines.
* Created systems to track and reduce variability in equipment center setups, resulting in improvements to first-pass quality and decreased ramp up time.
* Improved operator-machine interfaces, resulting in decreased changeover time and steeper learning curve.
* Led initiatives to reduce variability in equipment centers through physical modifications, resulting in decreased downtime and improved insight into machine vs. materials issues.
* Solved problems using root cause analysis and A3 statistical methodology.
* Supported continuous improvement efforts including new feature implementation.
* Wrote quantitative performance-testing procedures for acceptance-testing of new equipment centers.
* Gained the support and buy-in of 35+ long-time operators through continuous teaching and demonstration of project success.

**SKILLS AND QUALITIES**

Global Thinker Statistical Test Design Statistical Analysis

Technical Writing Gauge R&R Human Centered Design

Ideation & Prototyping Root Cause Analysis Excellent Group Skills

**RELEVANT PROJECTS**

* **Test Design and Analysis:** Design and implementation of a two-factor factorial study. Identification and isolation of variables to improve test accuracy and remove testing bias. Two-way ANOVA to determine interactions or main effects.
* **Product Development Team Project:** Niche product development of a trash weight notification system for an elderly target market. Project covered planning methods, market research, development of constraints, multiple ideation methods, weighted decision matrices, design and prototyping of functional model, and retail cost analysis.
* **Brake-Lever Human Factors:** Collection of human grip anthropometrics. Comparison to current levered hand brake designs. Prototyping of improved design using statistical results of study.
* **Economic Analysis:** Economic analysis of hypothetical cruise line from California to Hawaii. Cash flow analysis used to determine sensitive cost parameters and break-even points to create the most profitable model.