

# Comprehensive LaTeX Test Document

Resume Roaster Service

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## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Typography and Formatting</b>	<b>2</b>
2.1	Text Styles . . . . .	2
2.2	Font Sizes . . . . .	2
<b>3</b>	<b>Mathematical Expressions</b>	<b>2</b>
3.1	Inline Mathematics . . . . .	2
3.2	Display Mathematics . . . . .	2
<b>4</b>	<b>Lists and Enumerations</b>	<b>3</b>
4.1	Unordered Lists . . . . .	3
4.2	Ordered Lists . . . . .	3
4.3	Custom Lists . . . . .	4
<b>5</b>	<b>Tables</b>	<b>4</b>
<b>6</b>	<b>Resume-Style Content</b>	<b>4</b>
6.1	Professional Experience . . . . .	4
6.2	Education . . . . .	5
6.3	Technical Skills . . . . .	5
<b>7</b>	<b>Special Characters and Symbols</b>	<b>6</b>
<b>8</b>	<b>Hyperlinks and References</b>	<b>6</b>
<b>9</b>	<b>Conclusion</b>	<b>7</b>

## 1 Introduction

This document tests various LaTeX features to ensure the Tectonic engine produces high-quality PDFs suitable for resume generation and document processing.

## 2 Typography and Formatting

### 2.1 Text Styles

Here we test different text formatting options:

- **Bold text** for emphasis
- *Italic text* for style
- Underlined text for highlighting
- `Monospace text` for code
- SMALL CAPS TEXT for headers

### 2.2 Font Sizes

Tiny text Script size Footnote size Small text Normal text Large text Larger text Very large  
Huge Enormous

## 3 Mathematical Expressions

### 3.1 Inline Mathematics

The quadratic formula is  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$   
and Euler's identity states that  $e^{i\pi} + 1 = 0$ .

### 3.2 Display Mathematics

$$\int_{-\infty}^{\infty} e^{-x^2} dx = \sqrt{\pi} \quad (1)$$

$$\nabla \times \vec{E} = -\frac{\partial \vec{B}}{\partial t} \quad (2)$$

$$\nabla \times \vec{B} = \mu_0 \vec{J} + \mu_0 \epsilon_0 \frac{\partial \vec{E}}{\partial t} \quad (3)$$

## 4 Lists and Enumerations

### 4.1 Unordered Lists

- First level item
  - Second level item
    - \* Third level item
- Another first level item

### 4.2 Ordered Lists

1. First numbered item
2. Second numbered item
  - (a) Nested numbered item
  - (b) Another nested item
3. Third numbered item

### 4.3 Custom Lists

**Skills** Programming, Design, Analysis

**Experience** 5+ years in software development

**Education** Computer Science degree

## 5 Tables

Name	Score	Grade
Alice	95	A
Bob	87	B+
Charlie	92	A-

Table 1: Sample grade table

## 6 Resume-Style Content

### 6.1 Professional Experience

**Senior Software Engineer** *2020 - Present*

*Tech Company Inc. San Francisco, CA*

- Led development of microservices architecture serving 1M+ users
- Implemented CI/CD pipelines reducing deployment time by 60%

- Mentored junior developers and conducted code reviews

**Software Developer** *2018 - 2020*  
*Startup Solutions* *New York, NY*

- Developed full-stack web applications using React and Node.js
- Optimized database queries improving performance by 40%
- Collaborated with cross-functional teams in Agile environment

## 6.2 Education

**Master of Science in Computer Science** *2018*

*University of Technology* *GPA: 3.8/4.0*

**Bachelor of Science in Software Engineering** *2016*

*State University* *Magna Cum Laude*

## 6.3 Technical Skills

- **Programming Languages:** Python, JavaScript, Java, C++, Go

- **Frameworks:** React, Node.js, Django, Spring Boot, FastAPI
- **Databases:** PostgreSQL, MongoDB, Redis, Elasticsearch
- **Tools:** Docker, Kubernetes, AWS, Git, Jenkins

## 7 Special Characters and Symbols

Testing special characters: & % \$ # \_ { } \  
Unicode support: café, naïve, résumé, Zürich,

Mathematical symbols:  $\alpha$ ,  $\beta$ ,  $\gamma$ ,  $\Delta$ ,  $\Omega$ ,  $\infty$ ,  
 $\Sigma$ ,  $\Pi$ ,  $\int$

## 8 Hyperlinks and References

Visit our website at Resume Roaster for more information.

See Table 1 for grade distribution.

## 9 Conclusion

This comprehensive test document demonstrates that the Tectonic LaTeX engine can handle:

1. Complex typography and formatting
2. Mathematical expressions and equations
3. Various list types and structures
4. Professional resume-style layouts
5. Tables and cross-references
6. Special characters and symbols
7. Hyperlinks and modern PDF features

The output should be a professionally formatted PDF suitable for resume generation and document processing applications.