



Welcome to Overleaf

A Brief Overview of Opportunities

What is Overleaf?

Collaborative, cloud based environment for sharing and working with LaTeX.

- Oh, ok. So, what is LaTeX?
 - LaTeX provides typesetting for documents, output to PDF.
 - LaTeX is its own markup language.
 - Used heavily in STEM fields.
 - First gained popularity in the '80s and '90s for its ability to format mathematics beautifully.

More on Overleaf

- VT has an institutional subscription - anyone can get an account here: <https://www.overleaf.com/edu/vtech>.
 - Currently over 3,200 users at Virginia Tech.
- Provides an interface that allows you to:
 - See changes as you make them.
 - Manage and share projects.
- Recently merged with ShareLaTeX, incorporates new features.
- Provides a template library: <https://www.overleaf.com/latex/templates>.

Template Demo Time!

Let's log in and try it out!

Accessing & Using Overleaf

- [Virginia Tech Overleaf Portal](#)
 - Overview
 - Quick start
 - FAQ & help
 - Template gallery & featured templates
- Let's try a template: [ACM Template](#)
 - Interface
 - Content editing

What to Consider Before You Start

- Considerations
 - This program is specialized - Designed for specific uses.
 - Are there other options for your project?
 - Is your team committed to using Overleaf/LaTeX?
 - What does Overleaf/LaTeX offer that other options do not?
- Benefits:
 - Collaboration/sharing
 - Version control
 - LaTeX editing tools
- Drawbacks:
 - Learning curve for template development & modification.



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Modifying Templates



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- Requires LaTeX skills or a willingness to research and learn.

Creating New Templates

Why in the world?

Good reasons:

- You're part of a collaborative team that uses LaTeX regularly.
- You have lots of free time and want a new hobby that is very detailed.
- Developing mastery of LaTeX requires consistent effort and investment of time.



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Resources

- [Overleaf knowledge base](#)
- [Not So Short Intro to LaTeX](#)
- [LaTeX Advanced Math](#)
- [Comprehensive Tex Archive Network](#)
- [TEX Stack Exchange](#)