Collaborative Authoring Tool for Students, Faculty, Researchers & Staff

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www.overleaf.com
Global collaboration is increasing, and collaborative projects are more widely cited

But collaboration can be frustrating...

- Multiple versions of the same document
- Long email chains
- Formatting & typesetting
- Maintaining references
- Long revision cycles
Traditional workflows create many different versions of documents which often sit in silos
Overleaf - one version, in the cloud, accessible to all
Overleaf – developed by researchers for researchers

Overleaf was created by John Hammersley and John Lees-Miller as a response to their own collaborative research requirements and associated frustrations as PhD students.

Overleaf founder story video
Exciting news!

Overleaf v2 launched September 4th! – best of both combined!
Significant worldwide user growth

20 million documents
2.9 million authors
180 countries
in 5 years
A collaborative cloud-based writing platform

Edit on the left, see compiled PDF on the right

Intro Tutorial Video
Share with your collaborators
Real-time track changes

v2 Demo Project

shelly.miller
May 2018

1 Introduction

There is a theory which states that if ever anyone discovers exactly what the Universe is for and why it is here, it will instantly disappear and be replaced by something even more bizarre and inexplicable. There is another theory which states that this has already happened.

Figure 1: The Universe

2 Conclusion

“I always thought something was fundamentally wrong with the universe” [1]

References

Commenting & history

1 Introduction

There is a theory which states that if ever anyone discovers exactly what the Universe is for and why it is here, it will instantly disappear and be replaced by something even more bizarre and inexplicable. There is another theory which states that this has already happened.
Live chat box

Demonstrating how I can chat live with my collaborators or even leave a message for them if they are back online.
There is a theory which states that if ever anyone discovers exactly what the Universe is for and why it is here, it will instantly disappear and be replaced by something even more bizarre and inexplicable.

There is another theory which states that this has already happened. This is a change.
Including spell check in 40 languages!
Integration with reference managers
Citation and bibliography management made easier
Over 3,000 templates to choose from
Submit directly from Overleaf to journals & repositories
What Overleaf is doing for end users

Making research faster, more open & more accessible:

• One version of document accessible by all
• No need to email large files, simply share a link or invite by email
• Typesetting done automatically in the background
• Automatic reference styles and citation links
• Review tools provide real-time commenting, track changes & version control
• No local software installation on multiple machines required
• End user tech support – platform, templates, LaTeX
Key features for students and researchers

- **Real-time track changes and commenting** – simplifying review, acceptance or rejection of text edits for faster and easier collaborative editing
- **Private invitation, link sharing and chat functionality** – facilitating new and more productive collaborations
- **Auto-compiling and real-time preview** – updating the PDF view so collaborators can focus on their writing
- **Complementary Rich Text and LaTeX modes** – flexing to a user’s preference for editing projects with/without working in the code
- **Ability to import and sync external files** (e.g. datasets, bibliographies) – integrating with resources from other projects or external sources
- **Direct submission to journals and repositories** – saving time and effort when submitting manuscripts
- **Advanced reference search** – facilitating simple search by author name, title, publisher, year or keyword for effortless and fast insertion of the correct citations
- **Automatic two-way Dropbox/Github sync** – supporting seamless transition between working offline to working online with other collaborators
Overleaf adopted by a growing number of universities

California Institute of Technology (Caltech) on Overleaf

Overview

Caltech Library is providing free Overleaf Pro+ accounts for all students, faculty and staff who would like to use a collaborative, online LaTeX editor for their projects.

Overleaf is designed to make the process of writing, editing and producing your research papers and project reports much quicker for both you and your collaborators. Overleaf can also be linked to other services such as Mendeley, Git and Plotly to best fit into your workflow.

Claim your free 20GB Pro+ account on Overleaf by signing up (or signing in) below. You’ll need to verify a Caltech email address in order.

www.overleaf.com/for/universities
Custom portal featuring commonly used templates
Real-time data on distribution & collaborations

Lilliput University – Administrator Hub

Usage
In the past week
- 18 signups

Recent activity
- Yesterday: 84 users worked on projects
- Last Week: 154 users worked on projects
- Last Month: 237 users worked on projects

Distribution
Departments
- Number of users in different Lilliput University Team departments

- Computer Science
- Aeronautics & Astronautics
- Mechanical Engineering
- Physics
- Electrical Engineering
- Mathematics
- Civil & Environmental Engineering
- Other

Roles
- Number of users in different Lilliput University Team roles

- Undergraduate Student
- Doctoral Student (PhD, EngD, ...)
- Masters Student (MSc, MA, ...)
- Graduate Student
- Postdoc
- Student
- Assistant Professor
- Other

Overleaf
Real-time metrics on uptake and usage
Custom thesis template & repository submission link - Caltech

CaltechTHESIS and CaltechAUTHORS are two repositories hosted and maintained by the Caltech Library for the Institute.

- CaltechTHESIS is the repository of Ph.D., Engineer, Master, Bachelor/Senior and other theses authored by Caltech students.
- CaltechAUTHORS is the repository of research papers and articles by Caltech faculty and other researchers at Caltech.

Please download your files to your computer using the links below in Step 1. Once that process is complete, proceed to Step 2. Click on the link below in Step 2 for your chosen repository to begin the submission process. You will upload both the downloaded files into the record you will create for your manuscript.

Step 1: Download files
- Download PDF file of your manuscript
- Download ZIP file with all the source files

Step 2: Choose your Caltech repository and log in with your IMSS credentials to begin the submission process
- CaltechTHESIS
- CaltechAUTHORS

For additional information on preparing your thesis and creating its record in CaltechTHESIS, please see http://libguides.caltech.edu/theses

For additional information on creating and using records in CaltechAUTHORS, please see http://libguides.caltech.edu/caltechauthors

View example template here
Benefits of Premium Overleaf Commons accounts

**v2 Overleaf Free Accounts**

- One invited collaborator
- Unlimited number of collaborators via link sharing
- Thousands of templates

**On v2 Overleaf Professional (Commons license):**

- Unlimited number of invited collaborators (& link sharing)
- Thousands of templates
- Real-time track changes
- Advanced reference search
- Reference manager sync
- Full document history
- Dropbox integration (two-way sync)
- GitHub integration (two-way sync)
- Priority support
Advisors

Find out more about Advisors
People who can help you spread the word at your institution, using presentations, posters and flyers, and online via blogs and discussion

Dr. Arne Bruyneel
Stanford University

Michael Muelly
Stanford University

Madeline Saviano
Stanford University

Training

An Introduction to Overleaf (Youtube)
An Introduction to Overleaf (MP4)

Marketing

Handout 1:
Campus Flyer (PDF, 8.5x11)

Handout 2:
Poster (PDF, 11x17)

Overleaf

Sign up for your **Overleaf Professional account** from Caltech today!

LaTeX authoring tool, tutorials, Caltech templates & resources at [www.overleaf.com/edu/caltech](http://www.overleaf.com/edu/caltech)

Overleaf is a real-time, cloud-based LaTeX authoring platform.

Create.

**Collaborate.**

Publish. **Teach.**

Exclusive for all Caltech students, faculty and staff
Example of rapid institutional uptake

<table>
<thead>
<tr>
<th>Use of Overleaf by Stanford</th>
<th>Before Trial (Dec 2014)</th>
<th>End of Trial (Jan 2016)</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmed users</td>
<td>375</td>
<td>2065</td>
<td>450%</td>
</tr>
<tr>
<td>Projects by confirmed users</td>
<td>1,896</td>
<td>13,655</td>
<td>620%</td>
</tr>
</tbody>
</table>

“Overleaf has been a huge success at Stanford...We provide Overleaf Pro accounts to all students, faculty and staff, and the uptake and feedback has been tremendous!”

Helen Josephine, Overleaf Solution Specialist
(formerly Engineering Librarian, Stanford)
Multiple integrations & partnerships

**Academic Journals**
- F1000Research
- PeerJ
- OSA
- MDPI
- IEEE
- SCIENTIFIC REPORTS
- SCIENTIFIC DATA
- ASBMB

**Online Repositories**
- figshare
- arXiv.org
- bioRxiv
- engRxiv
- SOCARXIV

**Author Services**
- Rubriq
- axi os REVIEW
- AJE
- AMERICAN JOURNAL EXPERTS
- editage
- the WINNOWER
- ;:enago
- bioedit
- COS
- Peerwith

**Other Services**
- em
- SCHOLARONE™
- eJournal Press
- IEEE Collaboratec
- Overleaf
Example of improved thesis processes - Purdue

Results from 1-year Pilot:

- After a successful 1-year trial, the Purdue Graduate School chose to invest in a 5-year adoption of the Overleaf platform to benefit students, faculty and staff.
- 35% of all STEM students now use the Purdue Overleaf thesis template – with that number continuing to grow.
- In cases where students used Overleaf to write their theses, workload and review times were significantly reduced – from 5 or more graduate staff/student meetings per thesis to approximately 2-3 meetings per thesis.
- Out of 1,400 theses submitted to the Purdue Graduate School per year, ~490 will be submitted using Overleaf – providing an estimated 980 meetings removed, a huge time savings!
- The Purdue Graduate School now recommends the use of Overleaf to all students - “The Graduate School and I recommend you use Overleaf.” - Mark Senn, Engineering Computer Network Systems Programmer.

Read more here
Overleaf is an online LaTeX and Rich Text collaborative writing and publishing tool that makes the whole process of academic writing, editing and publishing much quicker and easier.

https://overleaf.libguides.com
Thank you!

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