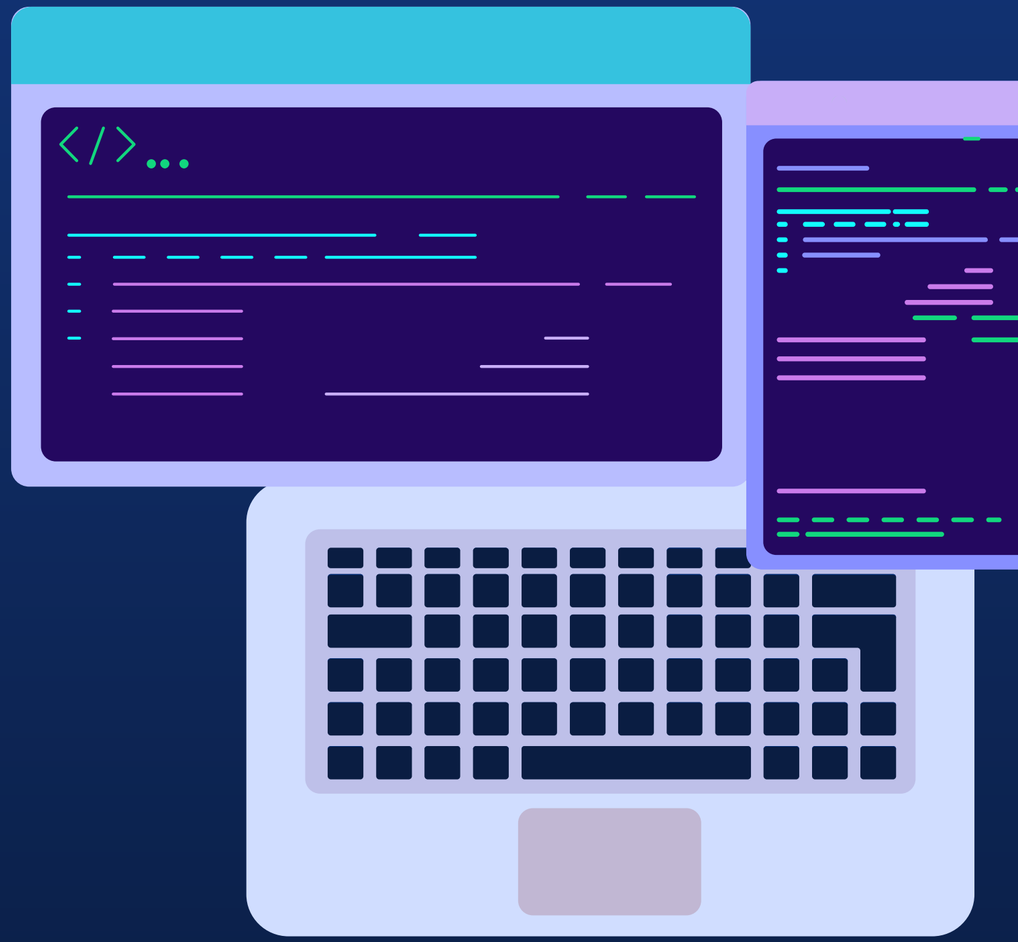
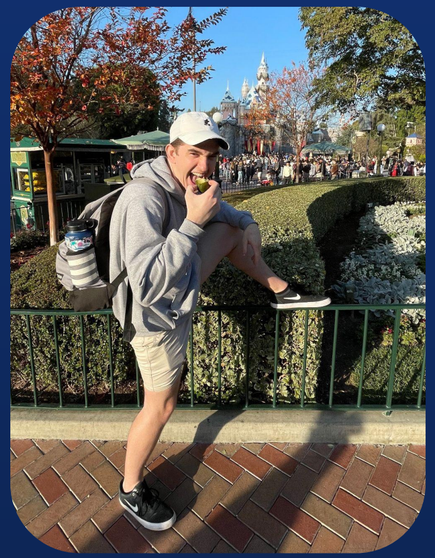
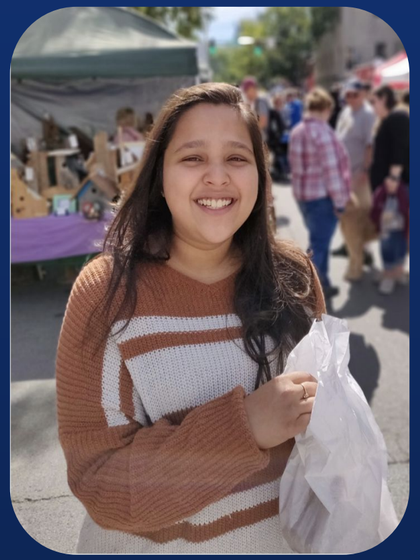
USER GUIDE FOR JUPYTER NOTEBOOK AND COMMAND LINE INTERFACES (CLIs)



Let’s Meet Team Star Command.



CHRIS HALES



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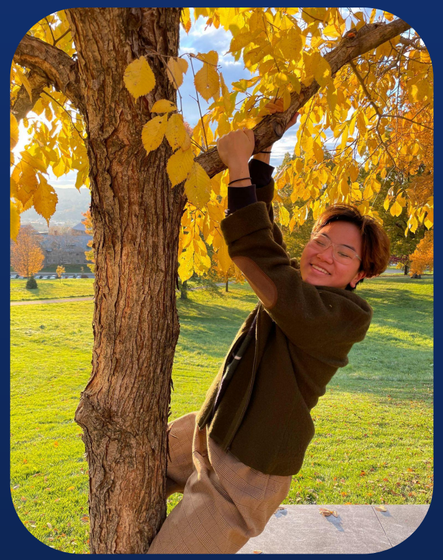

EMILY PARKER

SARANYA SIVARAM

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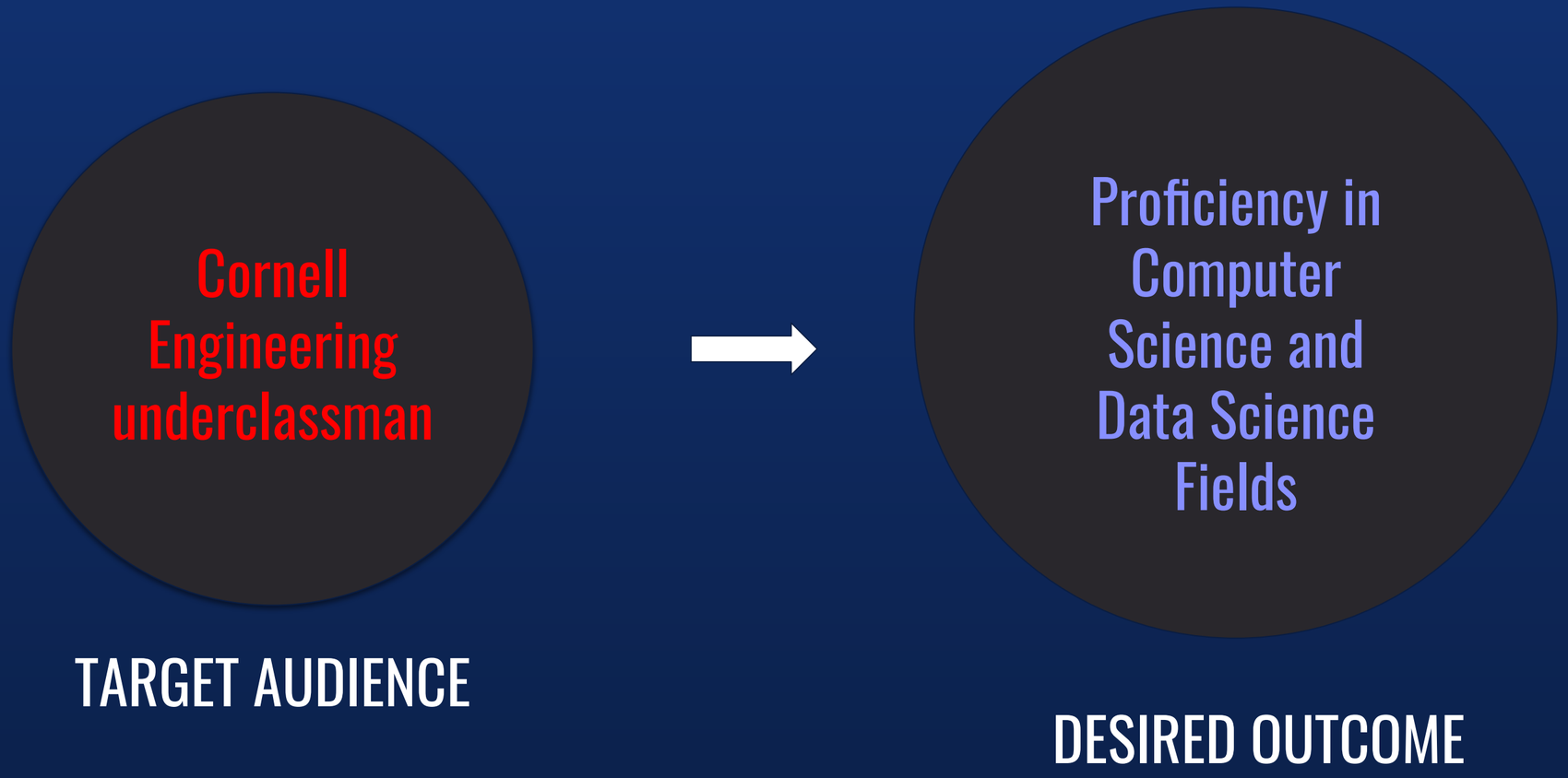
Our goal is to effectively teach Jupyter Notebook and CLIs.



TARGET AUDIENCE

DESIRED OUTCOME

Jupyter Notebook and CLIs are ubiquitous in school and industry.

Jupyter Notebooks and CLI's are challenging to pick up.

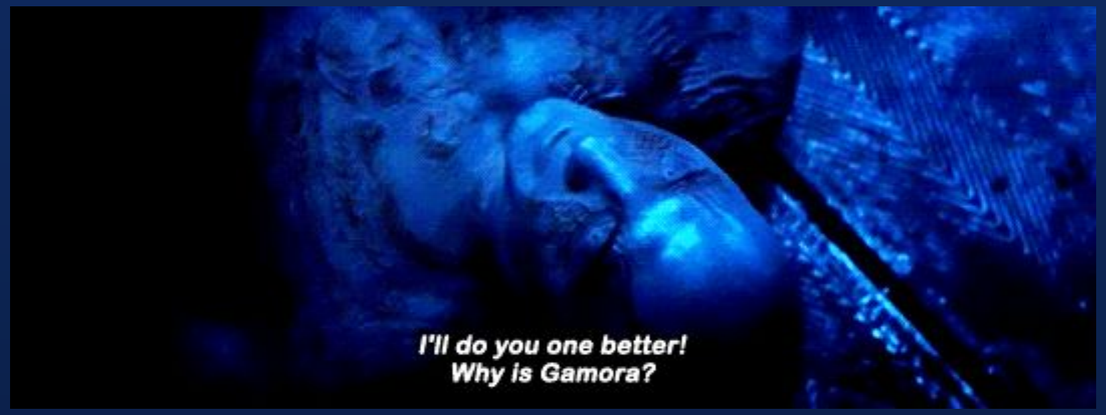
PROBLEM 1

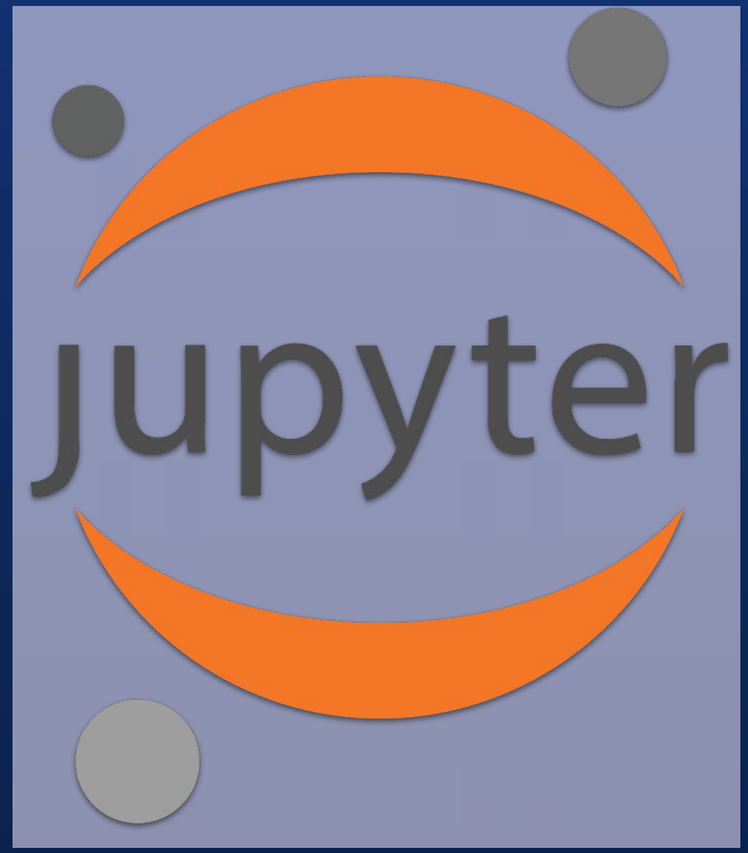
It is hard to understand the documentation and find the packages you need.

PROBLEM 2

Markdown cells, data visualization and data analysis tools are not intuitive.

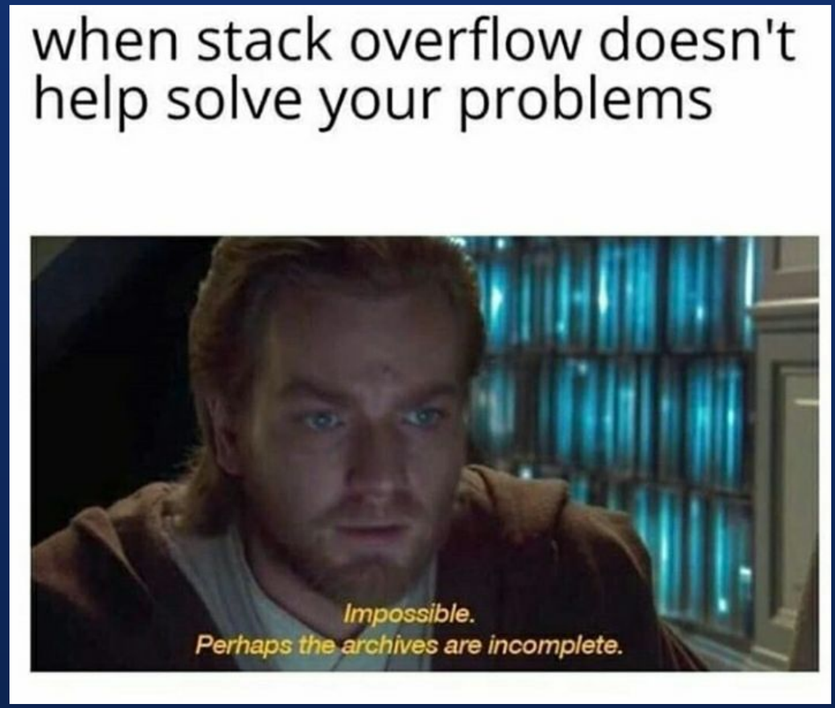
Navigating Jupyter Notebook can be very confusing.





Documentation on CLIs is scarce.

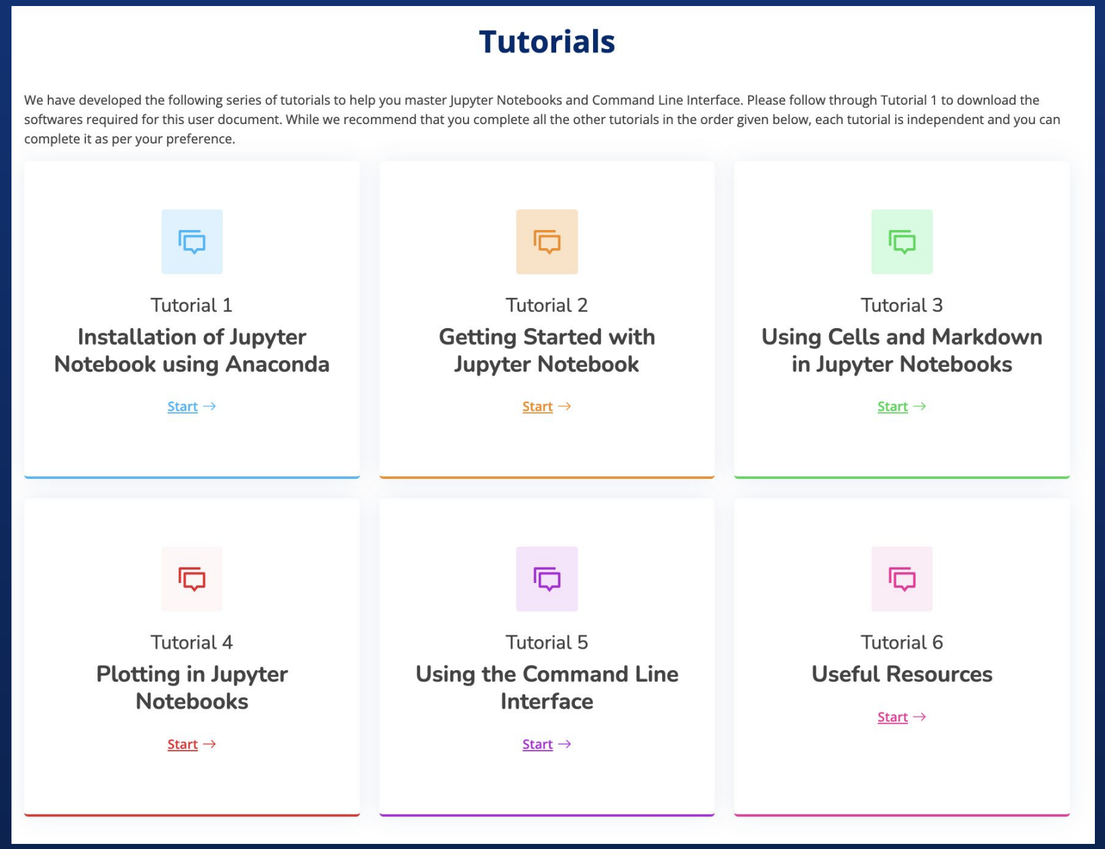
Writing code using text based editors can be frustrating. Downloading software using CLIs is often confusing and time consuming.

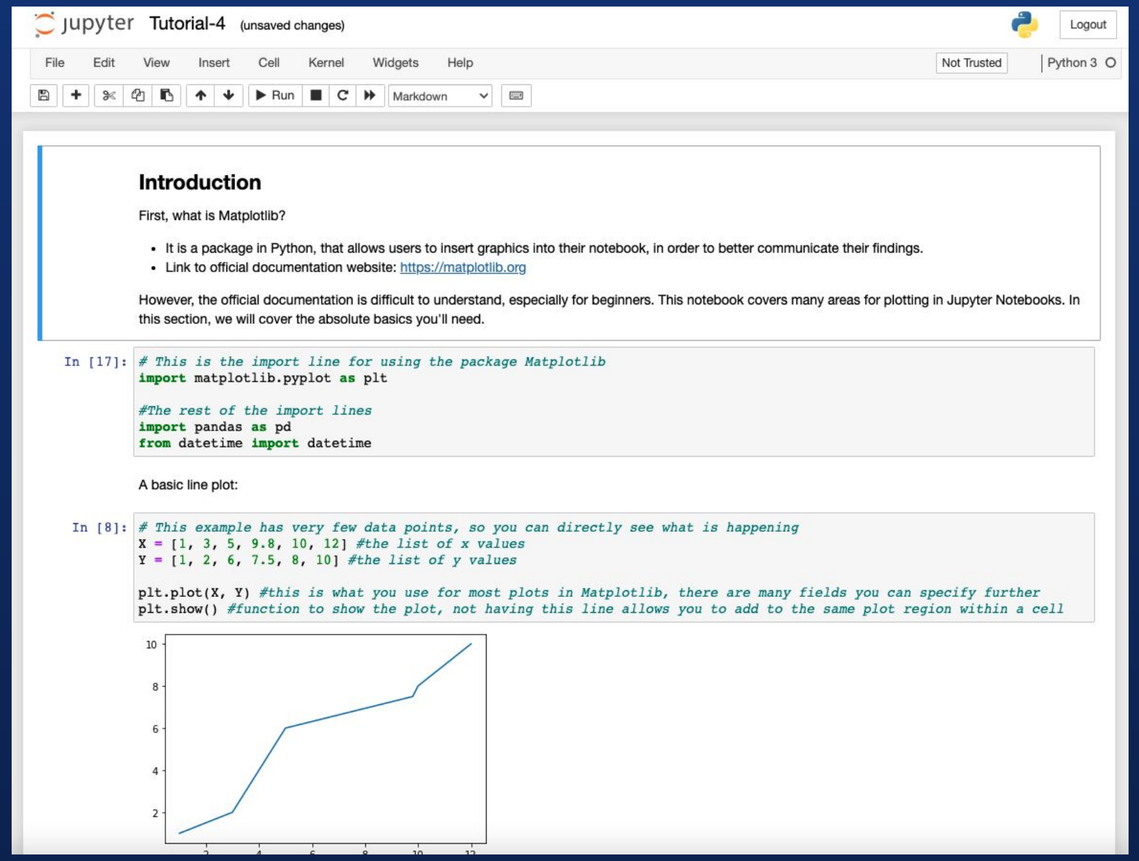


This is our solution.

An easy to use website with tutorials that showcase and promote all of the most important features.

We developed a series of tutorials to help the user master essential skills for Jupyter and CLIs.





We hosted our tutorials in .ipynb files because they offer user interactivity for Jupyter and CLIs.

We made some key design decisions.

Why did we focus on only MacOS?

Why did we choose to use a website?

Welcome to the launch pad!

StarCommand

Home About Tutorials Team

Master the use of Jupyter Notebooks and Command Line Interface

A complete guide to tools essential for students starting their journey in software engineering and data science.

Get Started →

About the Project

This user guide was developed as the Project 2 for ENGRC 3500 Engineering Communications course.

PROBLEM STATEMENT | BACKGROUND HISTORY | USER NEEDS

Many introductory programming courses in Cornell's College of Engineering require the use of command-line interfaces (CLIs) to download programs such as Jupyter Notebook.

Jupyter Notebooks allow users to neatly present code and documentation; proper understanding of CLIs can give users more control over their operating system and execute tasks faster.

For students new to programming, these tools are essential but can be very intimidating without experience. Unfortunately, there is a significant lack of reference documentation for students to review, especially from Cornell.

We give the user context about the project.

PROTOTYPE DEMO

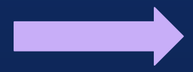
USABILITY TESTING

The tutorials could benefit from more detailed explanations.

A guide to user commands in Jupyter would be very helpful.

```
str(1)
```

```
'1'
```



This is how you can represent anything into type `String`:

```
str(1)
```

```
'1'
```

We want to simplify the tutorial download process because GitHub is confusing.

How We Plan to Move Forward

Internal Usability Testing

Thank you!
Any questions?

Access our website to learn more about Jupyter Notebook and CLIs !