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Kiwi Writes: Revolutionizing Student Learning through Adaptive Writing Support

“Survivors of Technology” - Ansh, Chase & Yatharth

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Part One The Problem

Writing Classes

Level of Subjectivity

Underdeveloped Writing Skills: Many students lack the ability to adapt their writing for different purposes (e.g., academic, persuasive, creative) to meet the requirements of professors different backgrounds

These requirements also differ from professor to

Inconsistency

From conversations with past, present and future students for classes like WAI, it is clear students fear receiving inconsistent feedback and lack of support.

"I sometimes don't know what the professor wants"

"I spend hours revising my essay, but I'm never sure if it's actually improving or just changing."

"I want to write better, but I don't always understand the feedback I'm given."

These quotes highlight the pressing need for a translation guide tool for students towards understanding their own writing, the expectations of their professors and most importantly a database with graded work that is tailored to the tastes of the professor.

Characteristics of "A" Writing

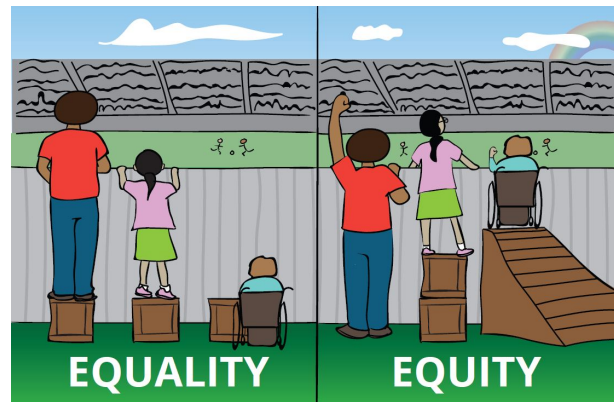
Content

- The essay challenges the intelligence and sophistication of a college audience and addresses readers beyond the writer's classroom.
- The argument's significance is clear to the reader (motive, *kairos*, "So what?").
- A single focus or thesis is emphasized throughout the paper.
- The focus or thesis is developed with significant and interesting evidence (testimony, examples, facts, statistics) and appropriate, insightful, and sophisticated analysis (*to prepon*).
- Any relevant outside sources are clearly introduced and integrated into the discussion (framing).
- The writing artfully fulfills the assignment criteria (through *ethos*, *pathos*, and *logos*).

Why is this problem so pressing?

- Students come from different backgrounds - equity
- Misaligned expectations - confusion and more importantly a different way to choose the right fit class.
- Inability to express themselves due to system, being able to communicate information
- Existing tools like Grammarly and Turnitin have gained widespread adoption, proving students are willing to embrace AI-driven solutions for writing support.

However, these tools aren't tailored to NYU Shanghai students. - provide individualized support to our students specifically.



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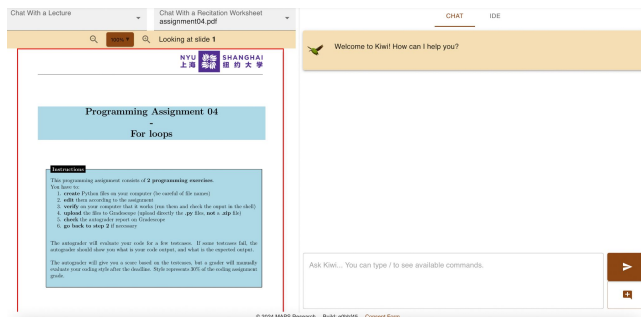
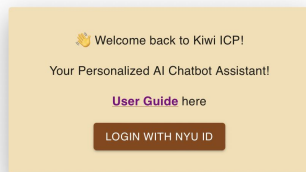


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Part 2 The Solution

What is Kiwi?

Kiwi is currently a coding platform designed by NYU Shanghai to further learning outside the classroom.



0 1 . Course Material

Access to lecture slides, quizzes, and questions relevant to their program.

0 2 . Real-Time Guidance

Designed with a focus on adaptability and responsiveness, Kiwi functions as an intelligent companion, offering assistance in multiple areas of student life.

0 3 . Coding IDE:

Hands-on coding practice with exercise sets and ways to test students learning.

Unlock Kiwi's Full Potential

From Computer Science to Writing Mastery-Kiwi Adapts to You.

Enhance Kiwi's Effectiveness

- Equip Kiwi to adapt to real-time student feedback
- Address confusion with tailored explanations

Broaden Academic Impact

- Implement tools like a Confused button
- Enable sentiment analysis to detect challenges early



The Idea

Adaptive Writing Support(Kiwi Writes)

Adapt Kiwi's Python-based resources to support more advanced topics and other academic disciplines.

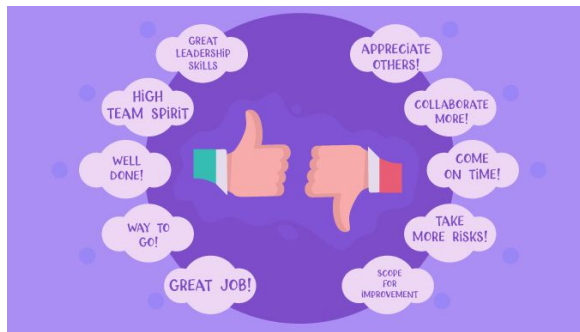
Grammarly Adjacent Feature

1. Integration Into Coursework

- Use Kiwi as in assignment turnin feature for homework assignments across writing courses

2. Student Insights

- Students comment on their writing choices to enhance Kiwi's decision making ability.



3. Closed-Loop Training

- Feedback loop allows Kiwi to refine its suggestions

4. Dynamic Feedback Features

- Offers individualized advice: Where did you go wrong? What misconceptions do you have?

Features of Kiwi Writes

A. Interactive Writing Tutor

- Teaches students how to adapt their writing styles for specific objectives
- Leverages real-time analysis to detect **sentiment** or **signs of confusion** in student work.

B. Relevant Feedback

- Understands teacher's grading style and gives feedback to help cater to teacher's preferences

C. Teacher's Aid

- Creates a summary of common errors in students writing
- Provides teacher with the summary so the teacher can better support teacher



Broader Applications

Expanding Beyond Writing

- Enhanced features for advanced programming (e.g., debugging and other coding languages, e.g., Java, C++)
- Adaptable frameworks for new disciplines such as data visualizations and creative design

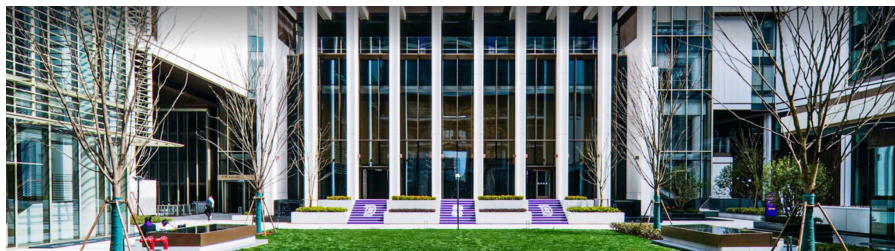
Impact

- Promote equity by offering personalized support tailored to students' diverse needs
- Address misaligned expectations, giving students confidence and clarity in their academic journey



What Support We Need

- Access to Course Material: Ensure Kiwi is integrated with all relevant lecture slides, quizzes, and assignments to provide comprehensive support.
- Faculty Input: Work with professors to align Kiwi's feedback and grading capabilities with course objectives.
- Permission: Secure necessary approvals to collect and use course-related with the support of institutional backing to promote Kiwi's adoption and allocated resources for its development.



Faculty



Thank you!