To be inserted into a web page:: something like a wikipage

It’s Time for Students to Take Control of Their Education!

# Introduction

There’s a giant problem looming over the state of Washington, and it seems that our State legislature doesn’t even know how to address it, let alone fix it! The driving core of our state’s economy is a thriving and vibrant tech based work force, and we, as students, are responsible for innovating the technologies that will drive that economy into the future. Yet, we are shackled by an educational system that persists in an archaic state of segregating our educational structures from industry. In order for Washington State’s future work-force to avoid the same fate as the coal miners of the United States’ Midwest (“Unemployment: Kentucky (U)”), the obsoletion of our top industry’s labor force’s skill set, we need to shift our educational emphasis in higher learning towards generating tools and resources that aid the continuing educational needs of our highly dynamic industries. Fortunately, we still have time to expand the applications of our hard-earned skill sets and prevent Washington State workers from becoming obsolete before we reach retirement age as there isa solutionwithin our grasp.

# There Exists a Solution

As aspiring students in the Sciences, Technologies, Engineering, and Math(STEM), we have already acquired the necessary skills to start addressing the needs of our future selves. This means we need to start applying the lessons from lectures and homework towards the task of developing open licensed alternatives to services, such as Canvas, that address and solve the problems of protecting user IP, student and educator privacy concerns, and multiplatform compatibility.

## The LMS shall protect user intellectual property (IP)

There is an abundance of innovation in academia that is focused on solving the issue of keeping up with industry but not becoming so incredibly bloated that students cannot finish their programs. Unfortunately, these innovations are not made easily accessible to the public as no one works for free, and those innovators driving these efforts are just like everybody else in that they are incentive driven. Without a means to ensure that an individual’s IP is protected, and credit for their work is properly allocated, there can be no open license LMS.

To address this issue, we need to develop a social media like system that allows people to share and cite thoughts and ideas centered around academic innovation that allows people to create clear and insightful demonstrations of educational concepts, without forcing them to reveal the underlying IP.

## The LMS shall provide privacy to students and educators

No one wants to participate in a system where any failure or shortcoming is made public. We must provide a means for students and educators to store their tools, resources, personal performance, and thoughts on the performance of others in a user controlled way. This again will resemble social media, but it will offer greater filtration tools for users to seek out and study the works of others without compromising that security. This means tighter restrictions on what information is available by default on a user’s profile, as well as a de-emphasis on the person owning that profile, in order to promote a healthy academic discourse on the tools and innovations being shared.

## The LMS shall work on a wide range of platforms

As silly as it sounds to imitate a meme in the description of this feature. The platform needs to be able to function on Windows, Linux, MacOS, Android, Chromium. The base functionality of the platform doesn’t need to be expansive at first, which is the entire reason for making it open source, so the implementation of a very diverse array of operating environments is very manageable.

# Conclusion

We have seen the consequences of not respecting the potential harms of an obsolete work force, and without beating a dead horse we must also consider that as the rate of change in technology is increasing to become faster than our current notion of change might allow us to accept. If we respect those two notions, then we must also respect the fact that the time for action is now. Don’t wait to start contributing to the safety of our common future, you have the tools and the expertise to make a positive impact now.

You can start [here](https://github.com/)!

# References

“AlternativeTo - Crowdsourced Software Recommendations.” *AlternativeTo*, https://alternativeto.net/. Accessed 1 Nov. 2017.

“Annual Median Wage for Software Developers, Systems Software in All Industries in the United States.” *United States Department of Labor*, https://beta.bls.gov/dataViewer/view/timeseries/OEUN000000000000015113313. Accessed 18 Nov. 2017.

*Canvas Data FAQ | Canvas Community*. https://community.canvaslms.com/docs/DOC-8513-canvas-data-faq. Accessed 22 Oct. 2017.

*Does the Academic Profile of the Student Play Any Role in GSoC? - Quora*. https://www.quora.com/Does-the-academic-profile-of-the-student-play-any-role-in-GSoC. Accessed 22 Oct. 2017.

“Employment for Mining and Geological Engineers, Including Mining Safety Engineers in Coal Mining in the United States.” *United States Department of Labor*, https://beta.bls.gov/dataViewer/view/timeseries/OEUN000000021210017215101. Accessed 18 Nov. 2017.

“Employment for Software Developers, Systems Software in Software Publishers in the United States.” *United States Department of Labor*, https://beta.bls.gov/dataViewer/view/timeseries/OEUN000000051120015113301. Accessed 18 Nov. 2017.

*Ghost (Blogging Software) - Quora*. https://www.quora.com/topic/Ghost-Blogging-Software. Accessed 22 Oct. 2017.

*How Do I Use Canvas Data Files? | Canvas Community*. https://community.canvaslms.com/docs/DOC-10798-4214449109. Accessed 22 Oct. 2017.

Levine, Sheen S., and Michael Prietula. *Open Collaboration for Innovation: Principles and Performance*. SSRN Scholarly Paper, ID 1096442, Social Science Research Network, 16 Sept. 2013. *papers.ssrn.com*, https://papers.ssrn.com/abstract=1096442.

“LMS Pricing | Canvas Learning Management System.” *Instructure*, https://www.canvaslms.com/affordability. Accessed 1 Nov. 2017.

*Need Help Installing OpenVPN/Other Web Apps in CPanel (Hostgator) • r/Opensource*. https://www.reddit.com/r/opensource/comments/bc76p/need\_help\_installing\_openvpnother\_web\_apps\_in/. Accessed 22 Oct. 2017.

*Open Source on Reddit*. https://www.reddit.com/r/opensource/. Accessed 22 Oct. 2017.

“Salary.” *Glassdoor*, https://www.glassdoor.com/Salaries/software-engineer-salary-SRCH\_KO0,17.htm. Accessed 1 Nov. 2017.

*Search - “Open Source” AND Software AND Repository - Quora*. https://www.quora.com/search?q=%22open+source%22+AND+software+AND+repository. Accessed 22 Oct. 2017.

*Storing Custom Users Data via SIS Import | Canvas Community*. https://community.canvaslms.com/thread/13669-storing-custom-users-data-via-sis-import. Accessed 22 Oct. 2017.

“Unemployment: Kentucky (U).” *United States Department of Labor*, https://beta.bls.gov/dataViewer/view/timeseries/LAUST210000000000004. Accessed 18 Nov. 2017.

*What Is Canvas Data? | Canvas Community*. https://community.canvaslms.com/docs/DOC-10754-4214449098. Accessed 22 Oct. 2017.