WHY CODE ?

Students today **should know at least two software languages**, "only then they'll be able to say something about what 'culture' is at the moment" (Kittler, 1995)

"This phenomenon suggests the following analogy: **as the unconscious is to the conscious, so computer code is to language**. I will risk pushing the analogy even further; in our computationally intensive culture, **code is the unconscious of language**". (Hayles, 2006, p. 137)

"I argue in this chapter that protocol has a close connection to both Deleuze's concept of 'control' and Foucault's concept of biopolitics. I show here that protocol is an affective, aesthetic force that has control over 'life itself.' **This is the key to thinking of protocol as power**." (Galloway, 2004, p. 81)

"Instead of seeing the various species of contemporary computational technologies as so many different genres of machines, spinning out on their own, **we should instead see them as forming the body of an accidental megastructure**." (Bratton, 2014)

"the **cognisphere** gives a name and shape to the globally interconnected cognitive systems in which humans are increasingly embedded. As the name implies, **humans are not the only actors within this system; machine cognizers are crucial players as well**." (Hayles, 2006, p. 161)

"The **posthuman** in its more nefarious forms is construed as an **informational pattern that happens to be instantiated in a biological substrate**". (Hayles, 1999, 2006)

"**Second-order emergence arises when a system develops a behavior that enhances its ability to develop adaptive behaviors-that is, when it evolves the capacity to evolve.** At this point, the simulation really takes off, so it is not surprising that creating such dynamic hierarchies is now the announced goal of artificial-life researchers." (Hayles, 2005, p. 198)

"This conclusion makes abundantly clear why **we cannot afford to ignore code or allow it to remain the exclusive concern of computer programmers or engineers**".
(Hayles, 2005, p. 61)

REFERENCES

Bratton, B. (2014, March). The Black Stack. Retrieved August 23, 2015, from http://www.e-flux.com/journal/the-black-stack/

Hayles, N. K. (1999). How we became posthuman: Virtual bodies in cybernetics, literature, and informatics. Chicago, Ill.: University of Chicago Press.

Hayles, N. K. (2005). My mother was a computer digital subjects and literary texts. Chicago: University of Chicago Press.

Hayles, N. K. (2006). Unfinished Work: From Cyborg to Cognisphere. Theory, Culture & Society, 23(7-8), 159-166.

Hayles, N. K. (2006). Traumas of Code. Critical Inquiry, 33(1), 136-157.

Kittler, F. (1995). Technologies of Writing/Rewriting Technology. Auseinander, 1(3).

Galloway, A. (2004). Protocol how control exists after decentralization. Cambridge, Mass.: MIT Press.