

The logo for Red Hat Summit, featuring the words "RED HAT" in a smaller font above "SUMMIT" in a larger, bold font, all contained within a white speech bubble shape.

RED HAT
SUMMIT

WHY EDUCATION NEEDS THE OPEN SOURCE COMMUNITY

OSPRI (Open Source Pedagogy, Research +
Innovation)

Aria F. Chernik, JD, PhD

Director of OSPRI and Lecturing Fellow, Duke University

aria.chernik@duke.edu | [@ariachernik](https://twitter.com/ariachernik)

“information wants to be
free”

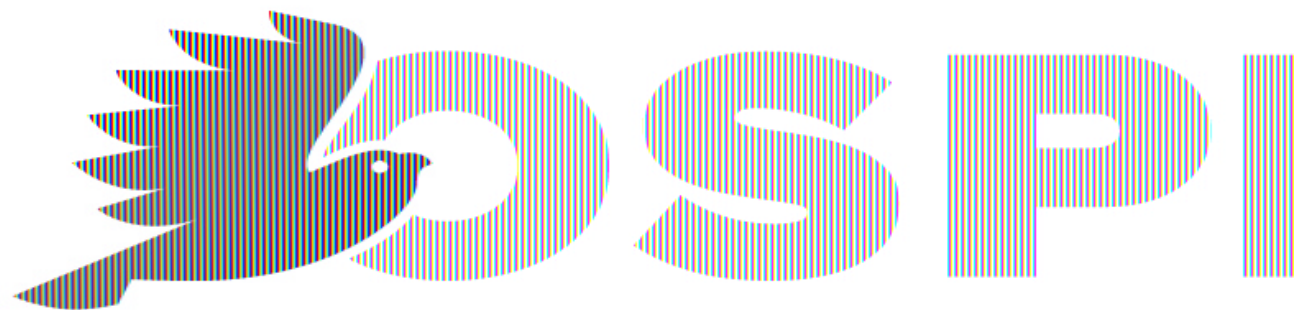
“most of the smartest
people work for someone
else”

passion-based
engagement

information = locked behind
paywalls

educators = disconnected
by
departmental silos

students = driven by
external markers of
success



OPEN SOURCE PEDAGOGY, RESEARCH ·



Open Source Curricular Pathway

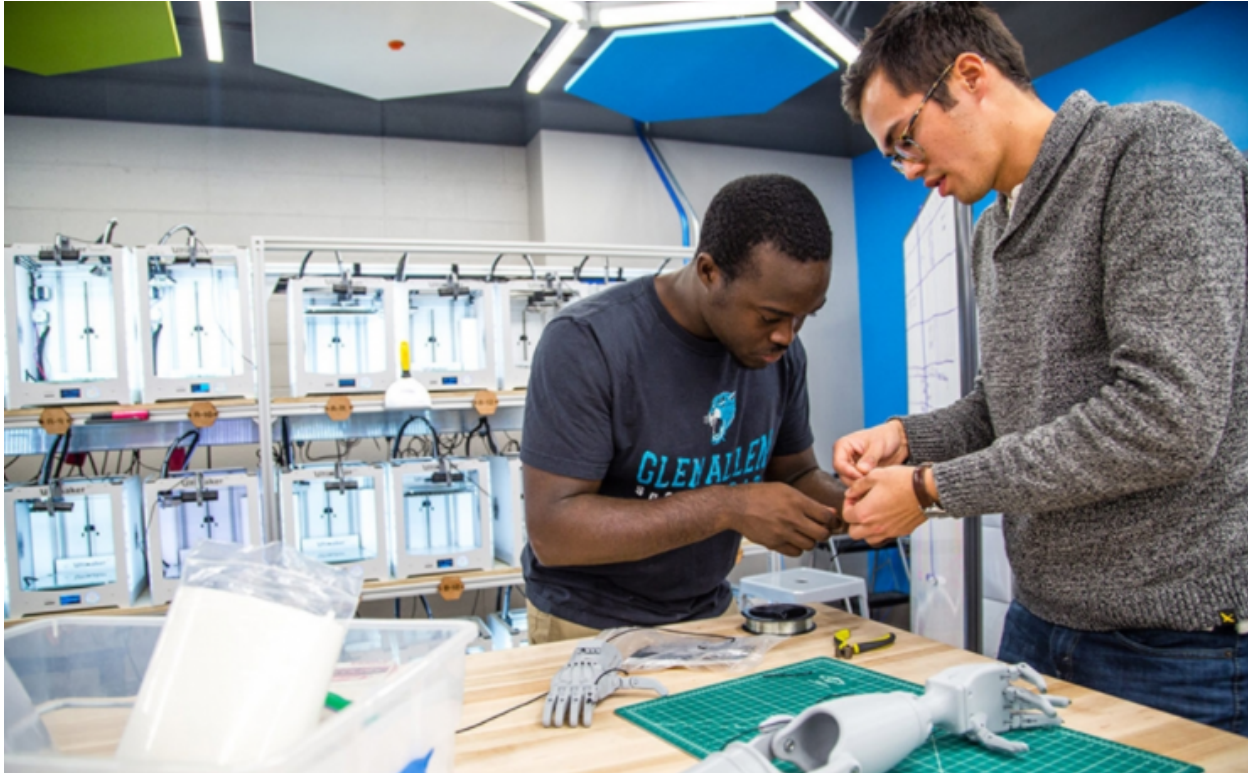
THE PROJECT-BASED ADDITION: APPLYING KNOWLEDGE BEYOND THE COMPUTER SCIENCE CLASSROOM

Research Question | CS pedagogy is focused on lectures; however, to produce exceptional graduates, we should foster key skills like team-work, problem-solving, and communication. How can we produce CS graduates prepared to be exceptional in the workforce?

Finding + Recommendation | Access to project-based learning opportunities outside the classroom.



Open Source Innovation Grants



Duke eNable

- 2: members last year
- 31: members now
- prosthetics for 3 recipients so far
- Haiti this summer with Given Limb Foundation grant

Penn Manor School District

Lancaster County PA USA

www.pennmanor.net
@pennmanor
@charlie3











A wide-angle photograph of a farm at sunset. The sun is low on the horizon, creating a bright glow and lens flare. In the background, there is a white barn with a silo. The foreground is a green field. The sky is a mix of blue and orange.

OPEN SOURCE STORIES

PENN MANOR

The power of open in education

Stephen Jacobs

Rochester Institute of Technology (RIT)

sj@magic.rit.edu

https://magic.rit.edu/?page_id=1008

<http://fossr.it/>

The logo consists of a white speech bubble shape with a tail pointing downwards. Inside the bubble, the words "RED HAT" are in a smaller, bold, red sans-serif font, and "SUMMIT" is in a larger, bold, red sans-serif font below it.

**RED HAT
SUMMIT**

**LEARN. NETWORK.
EXPERIENCE
OPEN SOURCE.**