TEACH: The Academic Symposium
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The Illinois CS+X Programs

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Everybody Starts With This CS Landscape....

- This is this **Illinois CS** major in Engineering
CS+X is a Novel Response

• Yes, go **DEEP**....
  • More classes, faculty, etc

• But also go **WIDE**
  • Partner with non-CS dept’s
  • Build a different class of cross-educated students
Illinois CS+ Degrees

• They are *not*: Minor in CS/X. Dual degree.
• They are: CS(1/2) + X(1/2)= Bachelors in CS+X, owned by Dept X

Computer Science + Discipline “X” = CS + “X”

Same CS core classes for all +X
Illinois CS+X: Starting Portfolio

Legacy degrees, decades old

Design started in 2010, approved 2013, admits 2014

First grads 2018
UIUC CS+X: Design Principles

- **Time-To-Market matters**
  - Optimize to get approvals **fast**

- **Minimum viable degree**
  - CS core courses for all X’s = **same**

- **First pitch: Just like Sand Hill Road**
  - Value prop, team, $$, etc: **15 mins**

- **Need ”early adopter” customers**
  - Partner X’s & faculty **inside X**

- **Need a business model early**
  - **CS+X** is like ENG: **Tuition differential**
Illinois CS+X: Enrollment

- CS+X students are a serious part of many Illinois depts today
- But absolute numbers is not the full story…
Illinois CS+X: Traction

~28% of students

~30% of students

~41% of students

~48% of students
Today: Rapid Expansion of +Xs at Illinois

- CS+Math
- CS+Stats
- CS+Advert
- CS+GeoSci
- CS+AnimalSci
- CS+Anthro
- CS+Astro
- CS+Music
- CS+Philos’y
- CS+Chem
- CS+Linguist
- CS+CropSci
- CS+Econ

RUNNING

STARTING

APPROVING