Liberal Arts Module (LAM)

CSC111—Fall 2015

Dominique Thiébaut
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• Grant from Association for American Colleges and University (AAC&U) for Retention of Under-Represented Students in CS.

• Funding for 3 Years

• Organize TAs

• Introduce LAMs in First-Contact Courses
Some Statistics...

from https://code.org/promote
1,000,000 more jobs than students by 2020

$500 billion opportunity

1.4 million computing jobs

400,000 computer science students

Computer science is a top paying college degree and computer programming jobs are growing at 2X the national average.
The job/student gap in computer science

- Jobs: 60% Computing Jobs, 40% All other math & sciences
- Students: 98% All other math & sciences, 2% Computer science students

Less than 2.4% of college students graduate with a degree in computer science. And the numbers have dropped since last decade.
While, 57% of bachelor’s degrees are earned by women, just 12% of computer science degrees are awarded to women.
Gender Inequity

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Response from Smith CS Dept.

- Apply for Teaching to Increase Diversity and Equity in STEM (TIDES) grant:
  - **Project Kaleidoscope** (PKAL) is AAC&U’s STEM higher education reform center dedicated to empowering STEM faculty, including those from underrepresented groups, to graduate more students in STEM fields who are competitively trained and liberally educated.
  - Lab Instructor + Pyramid of TAs
  - Present non-science, humanity project(s) in CSC111 (and other first contact courses)
Historical Maps
LAM

Professor Helene Visentin
Dept. French Literature
Smith College
Your Assignment

- Watch the 3 videos

- Answer the Quiz on Moodle

- In the next weeks, we are going to work on
  - digitizing a map of Smith College
  - displaying the digitized map and colorize building by year they were built.
Your Near-Future...
Your Near-Future...

Burton Hall, 269, 344, 256, 295, 235, 304, 242, 346, 251, 350
Sabin-reed Hall, 221, 264, 198, 269, 223, 366, 244, 361, 244, 352, 234, 305, 233, 291, 229, 291
Your Near-Future...

# buildingAges.py
# D. Thiebaut
# A textual representation of the age the Smith buildings were erected.
#
buildingAgesText = "1710 Sessions House
1715 Drew Hall (cdo)
1810 Eleanor Duckett House
1810 Mary Ellen Chase House
1825 Capen Annex
1825 Capen House
1870 138 Elm
1872 Tyler Annex
1873 Sessions Annex
1875 College Hall
1877 Hatfield Hall
1878 Washburn House
1880 Park House
1881 Tenney House"

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D. Thiebaut, Computer Science, Smith College

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Time To Watch the videos!