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K-12 OUTREACH AND DIVERSITY IN CS

PHIL SANDS

K-12 OUTREACH COORDINATOR

September 10, 2018

OUTREACH UPDATES

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

- CS Summer Camp
- CS180x (Online AP CS A)
- MAGIC

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CS SUMMER CAMP 2018

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

CS CAMP 2018

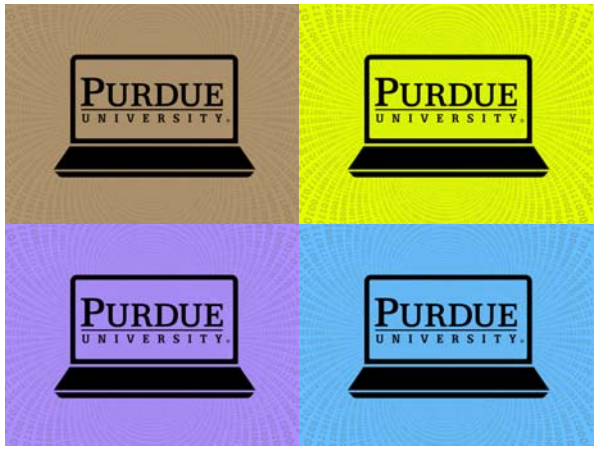
PURDUE UNIVERSITY® COMPUTER SCIENCE

sorting is a science.

CS180X

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

- Online AP Computer Science A
- Four six-week modules, covers all AP topics
- 4893 students, (27.7% female), 125 countries (57% US)
- Students are able to take AP exam upon completion, and will receive high school credit in some cases.
- Two-year outcomes:
  - ~17,000 students
  - 60% had no formal CS
  - Average AP exam score: 4.09
  - 83% passing rate on AP exam
- https://www.edx.org/course?search_query=cs180



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edX

MAGIC MENTORING

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

- Visiting 3 high schools, 3 middle schools in Lafayette-area
- 25 college undergraduate mentors
- Weekly visits teaching computer science and exploring technology career paths
- On-campus events
- Annual field trip
  - Luther Consulting 2015
  - Salesforce 2016
  - Syndicate Sales 2017
  - ??? 2019

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magic

MENTORS FOR ASPIRING GIRLS IN COMPUTING

DIVERSITY SPECIALIST

PURDUE COMPUTER SCIENCE

- Lillian Evans, M.Ed.
- Master's in Higher Education Administration and Student Personnel from Kent State University
- Early Childhood Education from University of Mount Union
- Emerging Leader Scholars and BoilerMentor Program

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PEER2PEER

DIVERSITY INITIATIVES

- Peer2Peer 2.0
- Mentor Training
    - Semester
    - Class session
  - Participants
    - Freshmen and Sophomores
  - Monthly Activities

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CONFERENCES

DIVERSITY INITIATIVES

- Tapia
  - September 19th-21st; Orlando, FL
  - 4 Students
    - 1 Graduate Student
    - 1 Senior
    - 1 Sophomore
    - 1 Freshmen

THANK YOU!!

- Grace Hopper
  - September 26th-28th ; Houston, TX
  - 25 Computer Science Women
    - 10 Graduate Students
    - 5 Seniors
    - 3 Juniors
    - 3 Sophomores
    - 3 Freshmen

THANK YOU!!

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PROFESSIONAL DEVELOPMENT WORKSHOPS

DIVERSITY INITIATIVES

- Etiquette Dinner
  - Proper interview etiquette
  - Professional dress
  - Conversation do's and don'ts
- Offer Evaluation and Negotiation
  - Understanding how to evaluate an offer
  - Understanding negotiations
  - How to consider all values
- Networking 101
  - Learn keys to networking
  - Define individuals own style
  - Understanding the purpose of networking

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TOWN HALL MEETINGS

DIVERSITY INITIATIVES

- Climate Meetings
    - All students welcomed
    - October and November
    - Food
    - Hotseat
- Brave Space
- Name

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QUESTIONS?

PURDUE K-12 OUTREACH FOR COMPUTER SCIENCE

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