

2019 Advisory Board Gianforte School of Computing

February 22, 2019



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

Norm Asbjornson Hall Opens!

- CS receives 4 faculty offices
- CS receives 10 graduate student carrels
- CSCI 127, CSCI 305 and CSCI 338 are all being taught in Gianforte Auditorium

AY 2019 Initiatives

- B.A. launched! 30 students (10 women).
 - Arts and Architecture
 - Art History, Graphic Design, Music, Photography
 - Business
 - Business Administration, Entrepreneurship (2)
 - Letters and Science
 - Eng Writing (2), History, Japan Studies, Psych(2)
 - Education, Health, Human Development
 - Human Development



AY 2019 Initiatives

- Fall 2018: Data Science Minor
 - CSCI 127 and CSCI 132 and CSCI 232
 - CSCI 246 or M 242 or M 221
 - STAT 216 and STAT 217
 - One relevant upper division CS course
 - One relevant upper division math/stat course
 - One more relevant upper division course



AY 2019 Initiatives

- Start-up Entrepreneurship, Fall 2018
 - Rob Irizarry, Oracle (22 students)
- Technical Leadership, Spring 2019
 - Rob Irizarry, Oracle (34 students)
- Industry Methods, Spring 2019
 - Devin Gray, Figure (25 students)
- Digital America, Spring 2019
 - Jennifer Hill, History (19 students)



AY 2019 Initiatives

- Faculty Search
 - For one tenure-track faculty member
 - For one non-tenure track faculty member

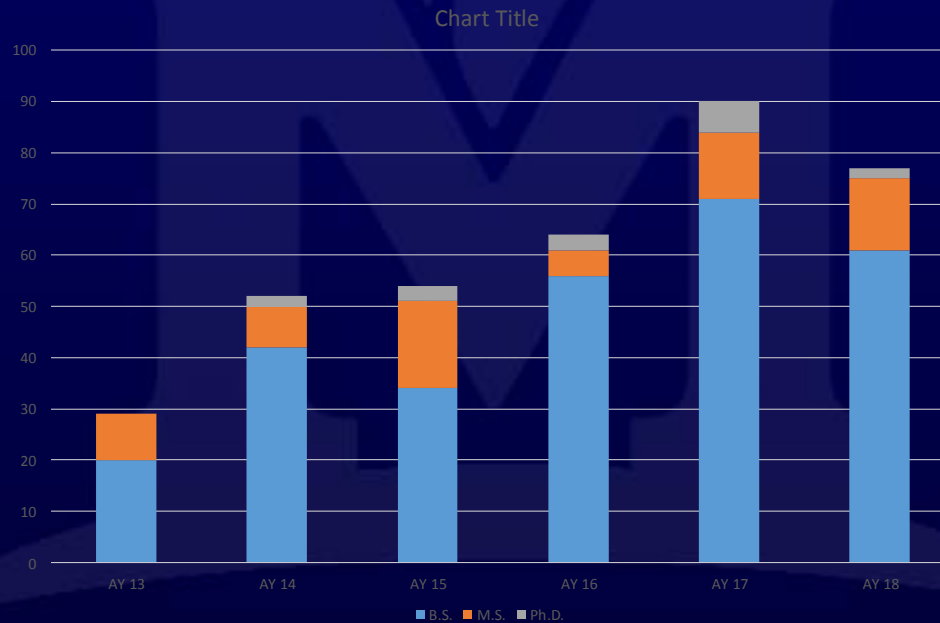


Student Snapshot

- 531 majors
 - 126 first year
 - 124 sophomore
 - 117 junior
 - 152 senior
 - 12 post-back
- 27 M.S.
- 24 Ph.D.



CS Graduates



Faculty and Staff Snapshot

- 12 tenure-track faculty
- 3 non-tenure track faculty
- 1 administrative associate
- 1 system administrator
- 1 demand coordinator / advisor
- 1 part-time accountant



Faculty Awards

- Brittany Fasy, NACOE Excellence in Outreach
- Reggie Kwan, NACOE Distinguished Alum
- John Paxton, NACOE Advancing Diversity
- Rocky Ross, NACOE Distinguished Faculty
- Binhai Zhu, Spring 2018 Sabbatical
- John Sheppard, Fall 2018 Sabbatical
- Clem Izurieta, Spring 2019 Sabbatical
- Mike Wittie, Fall 2019 Sabbatical
- Brendan Mumey, Spring 2020 Fulbright/Sabbatical



New Faculty

- Dan DeFrance, Fall 2018
- Technical Artist, International Game Technology,
- 2002 - 2018
- M.S. from Montana State, 2001



New Faculty

- Veronika Strnadova-Neeley, Fall 2018
- Ph.D. from UC Santa Barbara, 2018
- Research Interests: Data mining, large-scale data analysis, graph algorithms, scientific computing.

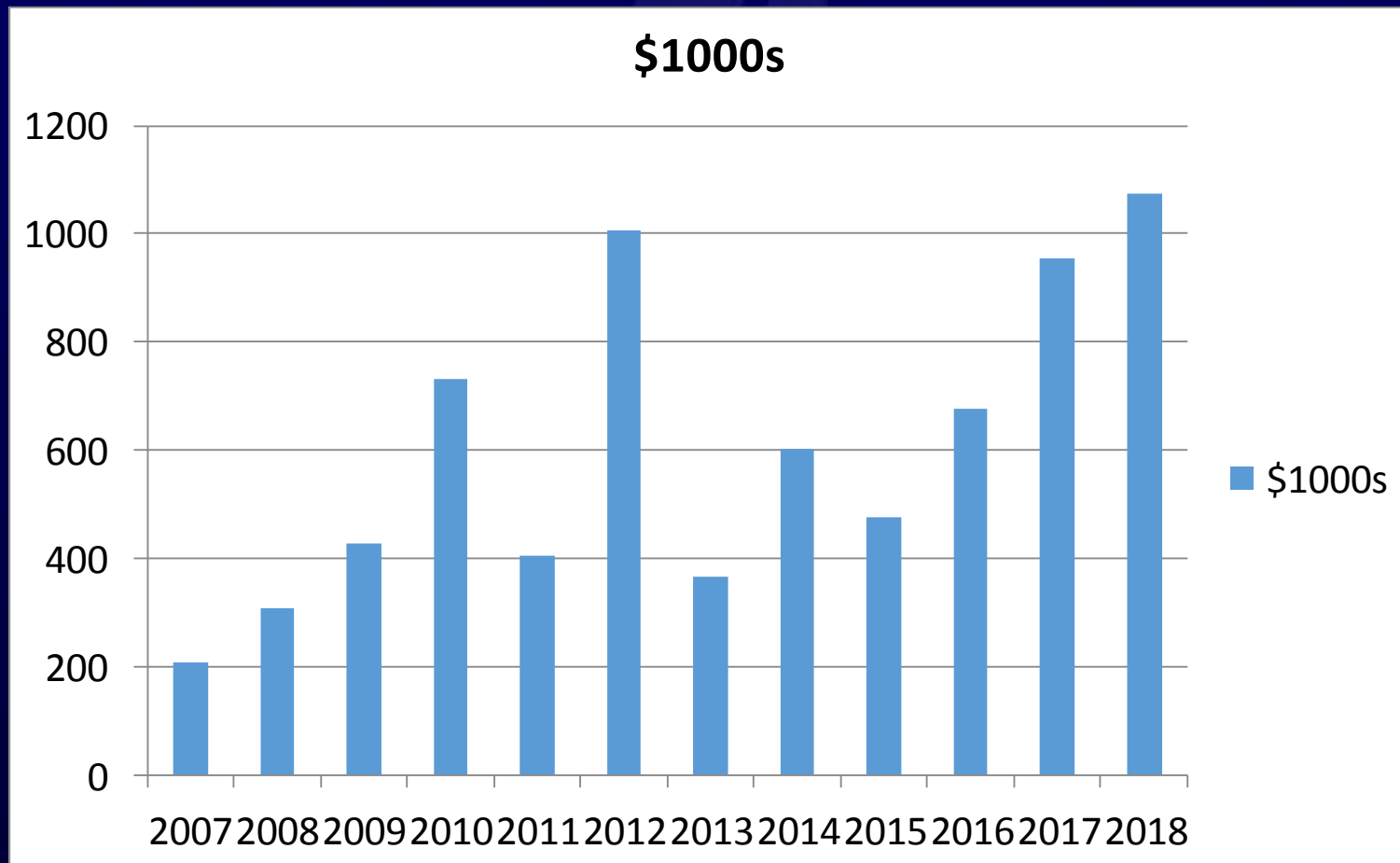


New Faculty

- Sean Yaw, Fall 2018
- Los Alamos National Labs Postdoc, 17-18
- Ph.D. from Montana State, 2017
- Research Interests:
Algorithms, graph theory,
networks, resource
management, optimization.



Funded Research (MSU is R1)



Notable New 2018 Funding

- \$408K Wright Patterson Airforce Base – Clem, Will S.
- \$379K NSF Pangeonomic Space – Brendan, Indika
- \$165K Intel Produce Monitor – Joe Shaw (ECE), John S.
- \$92K Wright Patterson Airfoce Base – John S.
- \$50K Museum and Library Services – Indika, Kenning

2018 Student Trips

- Motivation
 - Build community
 - Attract, retain and graduate more students
 - Support diversity in computing

2018 ACM Tech Road Trip

- Portland in March, 12 CS Majors
- Open Sesame
- Salesforce
- Fiserv
- Nike
- Intel
- eBay



2018 Grace Hopper

- Houston in September
- 18 CS students
- Platinum Sponsor



2018 oSTEM

- Houston in November
- 6 CS majors



Industry Affiliates Program



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