The emerging demographics of UC alumni:
Who are they and what are they doing after graduation?

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Vice President of Institutional Research and Academic Planning
UC Office of the President

Alumni Leadership Forum
May 16, 2016
• Who are UC alumni? How are they changing? Where do they live?

• What do we know about UC alumni employment outcomes? How are we demonstrating impact of UC alumni?
Who are UC alumni?

How are they changing?

Where do they live?
University of California

Degrees Over Time

- Bachelors: 76%
- Masters: 6%
- Doctoral: 7%
- Professional: 11%

Degrees Over Time:

- Undergraduate
- Masters
- Doctoral
- Professional

1999 to 2014
### Top disciplines

<table>
<thead>
<tr>
<th></th>
<th>Bachelor's</th>
<th>Doctoral</th>
<th>Masters</th>
<th>Professional Practice</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Social Sciences</strong></td>
<td>34%</td>
<td>Engineering &amp; CS 24%</td>
<td>Business 26%</td>
<td>Law 51%</td>
</tr>
<tr>
<td>Arts &amp; Humanities</td>
<td>17%</td>
<td>Life Sciences 19%</td>
<td>Engineering &amp; CS 19%</td>
<td>Medicine 30%</td>
</tr>
<tr>
<td>Life Sciences</td>
<td>17%</td>
<td>Physical Sciences 17%</td>
<td>Health Sciences 10%</td>
<td>Other Health Sciences 19%</td>
</tr>
<tr>
<td>Engineering &amp; CS</td>
<td>10%</td>
<td>Social Sciences 15%</td>
<td>Education 10%</td>
<td></td>
</tr>
<tr>
<td>Business</td>
<td>6%</td>
<td>Arts &amp; Humanities 13%</td>
<td>Arts &amp; Humanities 8%</td>
<td></td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>5%</td>
<td>Education 5%</td>
<td>Public Administration 5%</td>
<td></td>
</tr>
</tbody>
</table>
Income and parent education

Bachelors Degree Recipients

% Received Pell Grants
% First generation college student

University of California
From all across the state

75% of 1.6 million living alumni live in California
UC alumni in every state
And around the globe
What do we know about UC alumni employment outcomes?

How are we demonstrating impact of UC alumni?
UC undergraduate alumni outcomes

More than 70 percent of the most recent graduating cohort were found working in California after two years. The data are based on CA Employment Development Department data and exclude federal employees and those who are self-employed. About half of domestic nonresidents and one-fourth of international students were found employed in the state.

Earners found in CA by year of graduation

- Arts & Humanities
- Business
- Engineering & CS
- Life Sciences
- Physical Sciences
- Social Sciences
- Other Majors
Industries of employment, 5 years after graduation

- **ALL DEGREES**
  - K-12 Education: 15%
  - Higher Education: 44%
  - Business & Finance: 15%
  - Legal Services: 31%
  - Health Care & Social Assistance: 28%
  - Performing Arts: 5%
  - Retail: 10%
  - Other Industries: 23%

- **Prof Practice**
  - Health Care & Social Assistance: 28%
  - Legal Services: 31%

- **Masters**
  - K-12 Education: 15%
  - Higher Education: 44%
  - Business & Finance: 15%
  - Public Administration: 32%
  - Legal Services: 31%
  - Performing Arts: 5%
  - Retail: 10%
  - Other Industries: 23%

- **Doctoral**
  - Higher Education: 44%
  - Engr, Internet & Mfg: 32%

- **Bachelors**
  - Business & Finance: 15%
  - Public Administration: 40%
  - Legal Services: 31%
  - Performing Arts: 5%
  - Retail: 10%
  - Other Industries: 23%
# Doctoral alumni survey: Most recent employment sector

## Tenure Track

<table>
<thead>
<tr>
<th>Employment Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-yr College</td>
<td>42%</td>
</tr>
<tr>
<td>4-yr College</td>
<td>32%</td>
</tr>
<tr>
<td>Medical School</td>
<td>2%</td>
</tr>
<tr>
<td>Research Institute</td>
<td>5%</td>
</tr>
<tr>
<td>Other</td>
<td>2%</td>
</tr>
</tbody>
</table>

**Total (n):** 3,013

## Non-Tenure Higher Education*

<table>
<thead>
<tr>
<th>Employment Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-yr College</td>
<td>1%</td>
</tr>
<tr>
<td>4-yr College</td>
<td>10%</td>
</tr>
<tr>
<td>Medical School</td>
<td>3%</td>
</tr>
<tr>
<td>Research Institute</td>
<td>5%</td>
</tr>
<tr>
<td>Other</td>
<td>3%</td>
</tr>
</tbody>
</table>

**Total (n):** 1,553

*Non-tenured jobs in higher education could include administrative staff, lecturers, postdocs, adjunct professors, or other contingent faculty members

## K-12 Education

<table>
<thead>
<tr>
<th>Employment Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total (n)</td>
<td>2%</td>
</tr>
</tbody>
</table>

## Private For Profit Industry or Self-Employed

<table>
<thead>
<tr>
<th>Employment Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>For-Profit Company or Organization</td>
<td>18%</td>
</tr>
<tr>
<td>Self-Employed (Incorporated)</td>
<td>3%</td>
</tr>
<tr>
<td>Self-Employed (Non-Incorporated)</td>
<td>3%</td>
</tr>
</tbody>
</table>

**Total (n):** 1,703

## Gov't, Non-Profit, or Other Employee

<table>
<thead>
<tr>
<th>Employment Sector</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Profit</td>
<td>3%</td>
</tr>
<tr>
<td>U.S. Federal Government (civilian)</td>
<td>3%</td>
</tr>
<tr>
<td>Local Government</td>
<td>1%</td>
</tr>
<tr>
<td>State Government</td>
<td>1%</td>
</tr>
<tr>
<td>U.S. Military</td>
<td>0.04%</td>
</tr>
<tr>
<td>Other (incl. foreign gov't)</td>
<td>2%</td>
</tr>
</tbody>
</table>

**Total (n):** 768

## Grand Total (n)

| Total (n)                                              | 7,157      |
UC’s contribution to California industries

- IRAP effort to highlight the impact of UC in fields beyond STEM
- Highlights UC alumni who are:
  - Oscar nominees
  - Previous Oscar winners
  - Entertainment industry professionals
- Highlights economic impact of UC arts graduates working in arts and entertainment
UC’s contribution to California communities

University of California: Impact in the North State Region

Educating local residents at all UC campuses

Over the last five years, almost 1,200 north state region residents enrolled at the University of California. These undergraduate and graduate students are enrolled at all ten UC campuses. UC Davis, known for its agricultural and veterinary science programs, is the most popular.

Transfers from selected regional community colleges

Shasta College, Redding

University of California: Impact in the North State Region

University of California: Impact in the North State Region

Impacting communities through economic activity

University operations generate over $25 million in annual economic activity with 10% of that number contributed by UC research funds in purchasing local goods and services even though the region is not home to a UC campus. In addition, nearly 8,000 alumni and retirees call the north state region home.

There are over 20 technology licenses which allow local businesses, primarily nursery operations, permission to develop and commercialize a UC technology. In addition, there are two startup businesses in the north state that developed through commercializing UC technology.

To learn more about the University of California, visit these websites:

- UC Information Center: http://universityofcalifornia.edu/info-center
- UC in California: an interactive map: http://argos.ucop.ucsc.edu/ucop/
- UC News: http://universityofcalifornia.edu/news
16 Pulitzer Prize Winners in 2016

More than 20 Nobel Prize Winners

40% of STEM Bachelors Degrees in CA

Notes: STEM bachelors degrees as compared to other 4-year colleges in California. Based on 2013-14 IPEDS data center report and University of California Report to the Legislature Performance Outcome Measures, March 2016. Veterinarian data represents UC graduates who are licensed as veterinarians in the state of California. UC graduates are identified by the terminal degree submitted for licensure. Licensure data is from the California Department of Consumer Affairs.
Areas of influence

Notes: State Justices include California Supreme Court and Appellate Court Justices. State Elected Officials includes, U.S. House of Representative for California, California State Assembly and House of Representatives, Governor, Lt. Governor, Secretary of State and CA Attorney General. Largest Revenue Generating companies are the top 500 US Companies ranked by annual revenue. Public companies with a least 100 million in annual revenue and private companies with at least 1 billion in annual revenue are included. Company and Non profit Board data are collected by the Leadership Directory. “Well established” reflects criterion applied by Leadership Directory. For more information visit: http://www.leadershipdirectories.com/About/CriteriaforInclusion-OnlineDirectories.aspx#LCOS
UC Doctoral Student/Alumni Honors

UC Grad Slam Winner

UC Riverside’s Peter Bryley (chemical and environmental engineering Ph.D. student) is working to create smaller, more powerful microprocessors using graphene instead of silicon.

Forbes 30 Under 30

UC San Diego’s Sarah Guthals (computer science, Ph.D., emphasis in education) co-founded ThoughtStem, a company that develops programs to teach coding to children via Minecraft and other methods.

Pulitzer Prize Winner

UC Berkeley’s Viet Thanh Nguyen (english Ph.D. and english & ethnic studies, BA) won for his debut novel, “The Sympathizer,” a blackly humorous thriller and political commentary about a double-agent living in California after the Vietnam War.

UC Undergraduate Alumni Honors

Forbes 30 Under 30

UC Santa Barbara’s Andrew Yakub (Physics, BA) founded Rayton Solar which uses laser deposition technology make solar wafers that are 1/100\textsuperscript{th} the thickness of standard wafers.

Forbes 30 Under 30

UCLA’s Ann Wang (International Development Studies, BA) and Jessica Willison (Communication Studies, BA) co-founded Enrou, an online marketplace for products made in US and developing communities in the world.

Pulitzer Prize Winner

UC Santa Cruz’s Martha Mendoza (journalism and education major, BA) work, conducted over 18 months, resulted in the freeing of more than 2,000 slaves.