Computer Science
# 2018-19 UMD Graduate Follow-up Report

## Computer Science

(Bachelor of Arts or Bachelor of Science)

### Annual Comparison

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Students Granted Baccalaureate Degrees</td>
<td>28</td>
<td>44</td>
<td>42</td>
<td>59</td>
<td>76</td>
</tr>
<tr>
<td>Baccalaureate Degree Respondents</td>
<td>22</td>
<td>39</td>
<td>37</td>
<td>54</td>
<td>70</td>
</tr>
<tr>
<td>Respondents Employed</td>
<td>79%</td>
<td>89%</td>
<td>88%</td>
<td>92%</td>
<td>92%</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>17</td>
<td>30</td>
<td>29</td>
<td>48</td>
<td>59</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>77%</td>
<td>77%</td>
<td>78%</td>
<td>89%</td>
<td>84%</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>15/17</td>
<td>27/30</td>
<td>25/29</td>
<td>38/48</td>
<td>51/59</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>88%</td>
<td>90%</td>
<td>86%</td>
<td>79%</td>
<td>86%</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>3</td>
<td>7</td>
<td>5</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>14%</td>
<td>18%</td>
<td>14%</td>
<td>9%</td>
<td>9%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Internship Participation Respondents</td>
<td>20</td>
<td>37</td>
<td>28</td>
<td>48</td>
<td>65</td>
</tr>
<tr>
<td>Respondents completing an internship or co-op experience (not student teaching)</td>
<td>12</td>
<td>24</td>
<td>12</td>
<td>29</td>
<td>36</td>
</tr>
<tr>
<td>Respondents completing an internship or co-op experience (not student teaching)</td>
<td>60%</td>
<td>65%</td>
<td>43%</td>
<td>60%</td>
<td>55%</td>
</tr>
<tr>
<td>Respondents receiving academic credit for their internship or co-op experience</td>
<td>3/10</td>
<td>8/24</td>
<td>2/12</td>
<td>6/29</td>
<td>4/32</td>
</tr>
<tr>
<td>Respondents receiving academic credit for their internship or co-op experience</td>
<td>30%</td>
<td>33%</td>
<td>17%</td>
<td>21%</td>
<td>13%</td>
</tr>
<tr>
<td>Respondents receiving payment for their internship or co-op experience</td>
<td>9/9</td>
<td>23/24</td>
<td>11/12</td>
<td>26/29</td>
<td>33/33</td>
</tr>
<tr>
<td>Respondents receiving payment for their internship or co-op experience</td>
<td>100%</td>
<td>96%</td>
<td>92%</td>
<td>90%</td>
<td>100%</td>
</tr>
<tr>
<td>Respondents receiving an offer of employment from the internship or co-op site</td>
<td>8/10</td>
<td>7/24</td>
<td>7/12</td>
<td>17/29</td>
<td>18/33</td>
</tr>
<tr>
<td>Respondents receiving an offer of employment from the internship or co-op site</td>
<td>80%</td>
<td>29%</td>
<td>58%</td>
<td>59%</td>
<td>55%</td>
</tr>
<tr>
<td>Respondents accepting the employment offer</td>
<td>2/8</td>
<td>5/7</td>
<td>3/7</td>
<td>10/17</td>
<td>12/18</td>
</tr>
<tr>
<td>Respondents accepting the employment offer</td>
<td>25%</td>
<td>71%</td>
<td>43%</td>
<td>59%</td>
<td>67%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Abroad Participation Respondents</td>
<td>18</td>
<td>37</td>
<td>28</td>
<td>48</td>
<td>60</td>
</tr>
<tr>
<td>Respondents participating in a study abroad program</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Respondents participating in a study abroad program</td>
<td>6%</td>
<td>3%</td>
<td>4%</td>
<td>6%</td>
<td>5%</td>
</tr>
</tbody>
</table>
**Baccalaureate Statistics**

<table>
<thead>
<tr>
<th>Awarded Majors</th>
<th>Survey Respondents</th>
<th>Employed</th>
<th>Cont Ed Undergrad</th>
<th>Cont Ed Grad/Prof</th>
<th>Not Seeking</th>
<th>Actively Seeking</th>
<th>No Info</th>
<th>Employed w/State Given</th>
<th>Employed in Minnesota</th>
<th>Employed in Minnesota %</th>
<th>Employed</th>
<th>Placed</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>70</td>
<td>59</td>
<td>0</td>
<td>6</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>59</td>
<td>51</td>
<td>86%</td>
<td>84%</td>
<td>96%</td>
</tr>
</tbody>
</table>

**Reported Annual Salaries**

<table>
<thead>
<tr>
<th># Respondents</th>
<th>Low</th>
<th>High</th>
<th>Mean</th>
<th>Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>23920</td>
<td>94000</td>
<td>59901</td>
<td>62000</td>
</tr>
</tbody>
</table>

**Job Relevance to Major**

<table>
<thead>
<tr>
<th>Respondents</th>
<th>Related</th>
<th>Somewhat Related</th>
<th>Not Related</th>
<th>No Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>52</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>% of Total Respondents</td>
<td>88%</td>
<td>5%</td>
<td>7%</td>
<td></td>
</tr>
</tbody>
</table>

**Internships**

<table>
<thead>
<tr>
<th>Completed an internship</th>
<th>Received academic credit for it</th>
<th>Was paid</th>
<th>Received an offer of employment</th>
<th>Accepted the offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respondents</td>
<td># Respondents</td>
<td>Yes</td>
<td>% Yes</td>
<td># Respondents</td>
</tr>
<tr>
<td>65</td>
<td>36</td>
<td>55%</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

**Study Abroad**

<table>
<thead>
<tr>
<th>Studied Abroad</th>
<th>Did not study abroad</th>
<th>No response</th>
</tr>
</thead>
<tbody>
<tr>
<td># Respondents</td>
<td>Number</td>
<td>Percent</td>
</tr>
<tr>
<td>60</td>
<td>3</td>
<td>5%</td>
</tr>
</tbody>
</table>

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1 “Awarded Majors” includes all majors completed by an individual
2 “Survey Respondents” includes all majors completed by an individual and does not include “No Info”
3 “% Placed” includes “Survey Respondents” who are “Employed,” “Continuing Ed” and “Not Seeking”
4 Salary data is available when 3 or more full-time employed respondents provided salary information and includes all majors completed by an individual
5 “Internship” includes internship or co-op, but not student teaching
6 “Respondents” includes all majors completed by an individual
Where Students Interned Prior to Graduation

Allianz
Ameriprise Financial
Be the Match: National Marrow Donor Program
Beckman Coulter
Dell EMC
Deluxe Corporation
Digi-Key
Foodsby
General Dynamics Mission Systems
HealthPartners
IBM
Johns Hopkins University
Lake Superior Consulting
Landis & Gyr
Livio Health
Menards
Minnesota Valley Transit Authority
National Cyber-Forensics & Training
Alliance (NCFTA)
Open Access Technology International (OATI)
Open Systems International (OSI)
Packaging Corporation of America
Principal Financial Group
Saturn Systems
SoftCrylic
Stratasys
Synopsys
TCF Bank
Thomson Reuters
Trimble
Twin Cities Sound
UnitedHealth Group, Optum
UMD, Information Technology Systems & Services

Employed & Continuing Education After Graduation - Computer Science – Bachelor of Arts

AmeriCorps, Conservation Corps Minnesota & Iowa, St. Paul, MN - Recruitment Capacity Building Specialist
Andersen Corporation, Oak Park Heights, MN - Associate Software Engineer
Daugherty Business Solutions, Bloomington, MN - Software Engineer 1
Foodsby, Minneapolis, MN - Software Engineer
HealthPartners, Duluth, MN - Senior Business Objects Administrator
L&M Radiator, Inc., Hibbing, MN - Research Development Software Engineer
Landis & Gyr, Pequot Lakes, MN - Software Engineer 1
MHC Software, Burnsville, MN - Technical Support Technician
Minnesota Valley Transit Authority, Burnsville, MN - IT Support Technician
Open Systems International (OSI), Minneapolis, MN - Software Developer
Owatonna Public Schools, Owatonna, MN - IT Specialist
Prime Therapeutics, Eagan, MN - Business Systems Analyst
Rock'n Dough Pizza & Brewery, Nashville, TN - Bartender & Server
St. Anthony-New Brighton Independent School District 282, St. Anthony, MN - Student Information Technology Assistant
St. Louis County, Duluth, MN - IT Support Specialist
Twin Cities Sounds, Minneapolis, MN - Assistant Sound Engineer
UnitedHealth Group, Optum, Eden Prairie, MN - Software Developer (2)
UnitedHealth Group, Optum, Eden Prairie, MN - Software Engineer
Virgin Pulse, Minneapolis, MN - Associate Software Engineer
Waterways Web Design, Duluth, MN - Web Developer
Graduate School, Computer Science, University of Minnesota Duluth, Duluth, MN
Graduate School, Electrical Engineering, University of Rhode Island, Kingston, RI
Employed & Continuing Education After Graduation - Computer Science - Bachelor of Science

ALLETE Minnesota Power, Duluth, MN - Programmer Analyst
Be the Match: National Marrow Donor Program, Minneapolis, MN - ETL Developer Software Engineer
Buzzfeed, Minneapolis, MN - Software Engineer
C.H. Robinson, Minneapolis, MN - Software Engineer
Capgemini, Miami, FL - Senior Consultant
Cirrus Aircraft, Duluth, MN - Software Engineer
Contrast Security, Baltimore, MD - Full Stack Engineer
Digi-Key, Minneapolis, MN - Software Engineer
Express Scripts, Bloomington, MN - Associate Performance Engineer
Fastenal, Winona, MN - Programmer
Fellowship of Catholic University Students, Bismarck, ND - Campus Missionary
Geacom, Duluth, MN - Lead Software Engineer
HealthPartners, Duluth, MN - Web Developer
Houston Engineering, Maple Grove, MN - Software Engineer
IBM, Rochester, MN - Software Engineer
Involta, St. Paul, MN - Carrier Network Specialist
Jordan Ace Hardware, Jordan, MN - Associate
L3Harris Technologies, Burnsville, MN - Assistant Software Engineer
Logisolve, Minneapolis, MN - Software Engineer
Menards, Eau Claire, WI - Developer 1
Microsoft, Fargo, ND - Premier Field Engineer
Open Systems International (OSI), Medina, MN - Software Engineer (4)
Open Systems International (OSI), Plymouth, MN - Software Developer
Pearson VUE, Bloomington, MN - Associate Cloud Engineer
Principal Financial Group, Raleigh, NC - Software Engineer
Structural, St. Paul, MN - Software Engineer
Tamarack Consulting, Minneapolis, MN - Developer
Target, Minneapolis, MN - Data Engineer
Tata Consultancy Services, Minneapolis, MN - Software Engineer
Thomson Reuters, Eagan, MN - Software Engineer
Thoughtworks, Dallas, TX - Software Development Consultant
University of Minnesota Duluth, Information Technology Systems & Services, Duluth, MN - Web & Application Developer
US Bank, Minneapolis, MN - Developer
Walmart, Duluth, MN - Maintenance Associate

Graduate School, Computer Science, Lehigh University, Bethlehem, PA
Graduate School, Computer Science, Pennsylvania State University, University Park, PA
Graduate School, Computer Science, University of Minnesota Duluth, Duluth, MN
Graduate School, Toyota Technological Institute at Chicago, Chicago, IL