

# Marcus William Fedarko

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<b>Education</b>	BACHELOR OF SCIENCE, Computer Science <b>University of Maryland</b> University Honors Citation GPA: 3.80/4.0	Expected Graduation May 2018 College Park, Maryland
<b>Conference Presentations</b>	1. <b>M. Fedarko</b> , J. Ghurye, T. Treangen, and M. Pop, “MetagenomeScope.” Poster presented at the <i>25th International Symposium on Graph Drawing and Network Visualization</i> , Boston, USA, September 2017.	
<b>Research Experience</b>	RESEARCH INTERN <b>Center for Bioinformatics and Computational Biology</b> <ul style="list-style-type: none"><li>• Designing interactive visualization software for metagenomic assembly graphs under the guidance of Prof. Mihai Pop and Dr. Todd Treangen.</li><li>• Communicating this work and related material at Pop Lab meetings, to the Center at large, and to the broader scientific community.</li></ul>	June 2016–Present U. of Maryland
<b>Teaching Experience</b>	UNDERGRADUATE TEACHING ASSISTANT <b>CMSC 330: Organization of Programming Languages</b> <ul style="list-style-type: none"><li>• Assisted students with coursework (Ruby, OCaml, Prolog; grammars, regular languages, semantics, security) in office hours and on an online discussion board.</li><li>• Designed and graded quiz and exam questions.</li></ul>	Fall 2016 U. of Maryland
<b>Professional Experience</b>	STUDENT STAFF WRITER <b>Department of Computer Science</b> <ul style="list-style-type: none"><li>• Composed and edited some thirty articles published through the department’s website, annual magazine <i>shell</i>, and other media.</li><li>• Assisted with the logistics of various department outreach functions, including hosting the robotics team from a nearby elementary school for a day at the department.</li></ul>	January 2015–September 2017 U. of Maryland
	STUDENT INTERN <b>Axiometric</b> <ul style="list-style-type: none"><li>• Created and maintained utility meter deployment management software.</li><li>• Designed a user-friendly graphical interface in Java to an RF propagation model to assist clients in planning deployments of mesh networks.</li></ul>	May 2013–August 2014 Columbia, Maryland
	INTERN SOFTWARE ENGINEER <b>Battlefield Telecommunications Systems</b> <ul style="list-style-type: none"><li>• Designed a web interface using Python (Django), JavaScript, and HTML to monitor the connection strength of radio devices.</li><li>• Integrated radio signal testing into the company’s existing network management user interface.</li></ul>	July 2012–August 2012 Columbia, Maryland

**Honors and  
Awards**

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|---|---------------|
| 1. University of Maryland CMNS Dean's List                          | All Semesters |
| 2. Rita Colwell Travel Fellowship                                   | 2017          |
| 3. Travel Award, U. of Michigan "Explore Graduate Studies" Workshop | 2017          |
| 4. John D. Gannon Endowed Scholarship                               | 2017          |
| 5. Corporate Partners in Computing Scholarship                      | 2016, 2017    |
| 6. Member, Omicron Delta Kappa National Leadership Honor Society    | 2016          |
| 7. Northrop Grumman Scholarship for Employees' Children             | 2014          |
| 8. University of Maryland Dean's Scholarship                        | 2014          |
| 9. University of Maryland Honors College: University Honors Program | 2014          |