

Marcus William Fedarko

Contact	Email: mfedarko@umd.edu Phone: +1 410 717 6961 Webpage: http://cbcb.umd.edu/~mfedarko	
Education	BACHELOR OF SCIENCE, Computer Science University of Maryland University Honors Citation GPA: 3.82/4.0	Expected Graduation May 2018 College Park, Maryland
Conference Presentations	1. M. Fedarko , J. Ghurye, T. Treangen, and M. Pop, “MetagenomeScope: Web-Based Hierarchical Visualization of Metagenome Assembly Graphs.” In <i>Proceedings of the 25th International Symposium on Graph Drawing and Network Visualization</i> (poster abstract), pp. 630–632. Springer, 2018.	
Research Experience	RESEARCH INTERN Center for Bioinformatics and Computational Biology <ul style="list-style-type: none">• Designing interactive visualization software for metagenomic assembly graphs under the guidance of Prof. Mihai Pop and Dr. Todd Treangen.• Communicating this work and related material at Pop Lab meetings, to the Center at large, and to the broader scientific community.	June 2016–Present U. of Maryland
Teaching Experience	UNDERGRADUATE TEACHING ASSISTANT CMSC 330: Organization of Programming Languages <ul style="list-style-type: none">• Assisted students with coursework (Ruby, OCaml, Prolog; grammars, regular languages, semantics, security) in office hours and on an online discussion board.• Designed and graded quiz and exam questions.	Fall 2016 U. of Maryland
Professional Experience	STUDENT STAFF WRITER Department of Computer Science <ul style="list-style-type: none">• Composed and edited some thirty articles published through the department’s website, annual magazine <i>shell</i>, and other media.• 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.	January 2015–September 2017 U. of Maryland
	STUDENT INTERN Axiometric <ul style="list-style-type: none">• Created and maintained utility meter deployment management software.• Designed a user-friendly graphical interface in Java to an RF propagation model to assist clients in planning deployments of mesh networks.	May 2013–August 2014 Columbia, Maryland
	INTERN SOFTWARE ENGINEER Battlefield Telecommunications Systems <ul style="list-style-type: none">• Designed a web interface using Python (Django), JavaScript, and HTML to monitor the connection strength of radio devices.• Integrated radio signal testing into the company’s existing network management user interface.	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 |