Michael **Neary**

Educator · Researcher

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Education

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

M.S. in Computer Science   *August 2015 - PRESENT*

- Received Graduate Teaching Assistantship
- Current GPA: 3.7
- Thesis Topic: Intelligent Tutoring Systems

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

B.S. in Computer Science   *August 2012 - May 2015*

- Graduated Magna Cum Laude, 3.9 GPA

Experience

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

Graduate Student Instructor   *August 2016*

- Deliver two lectures a week for the introductory computer science course (CMSC 201)
- Contribute heavily to the curriculum design, assignments, and exams

Hewlett Packard Enterprise   *Hanover, MD*

Technical Intelligence Intern   *May 2016 - PRESENT*

- Contribute to the development of the Cognitive Computing Toolkit (CCT)
- Use the CCT to write machine learning applications.

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

Graduate Teaching Assistant   *June 2016 - July 2016*

- CMSC 304: Ethical and Social Issues in Information Technology
- Led a few lectures on ethical issues related to cybersecurity
- Graded three ethical analysis essays (1200+ words each), a final paper (4000 + words), and a midterm

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

Graduate Teaching Assistant   *August 2015 - May 2016*

- CMSC 201: Introduction to Computer Science
- Acted at Head Teaching Assistant, overseeing 40 undergraduate and graduate TAs
- Administered the assignment submission system
- Developed Python scripts to grade several hundred students efficiently, and quickly capture and report those grades
- Contribute to assignment development
- Led a discussion section and graded their assignments

University of Maryland, Baltimore County (UMBC)   *Baltimore, MD*

Unergraduate Research Assistant   *January 2015 - December 2015*

- CS Matters
- TUES

The Johns Hopkins University Center for Talented Youth   *Seattle, WA*

Teaching Assistant   *June 2015 - August 2015*

- Ran around with children all day in a city.

The Johns Hopkins Applied Physics Laboratory *Laurel, MD*
Technical Intern *May 2015 - August 2015*
- Researched the use of and presented findings on Apache Zookeeper.
- Designed a solution for the coordination of nodes in a distributed graph processing system using that technology.
- Implemented a web scraper for publicly available medical records to generate feature vectors for machine learning applications.

The Johns Hopkins University Center for Talented Youth *Seattle, WA*
Teaching Assistant *June 2014 - August 2014*
- Ran around with children all day in a city.

The Johns Hopkins Applied Physics Laboratory *Laurel, MD*
Technical Intern *May 2014 - August 2014*
- Researched the design of the open source cloud computing project, Openstack.
- Contributed to the development of a lab-wide Infrastructure as a Service for testing software in a controlled environment.
- Wrote software tools or the automation of cloud related tasks.

The Johns Hopkins University Center for Talented Youth *Sandy Spring, MD*
Program Assistant *June 2013 - August 2013*
- Ran around with children all day.

UMBC Learning Resources Center *Baltimore, MD*
Tutor

Extracurricular Activity

Honors & Awards

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Publications

Cybersecurity: Exploring its Core Concepts through Six Scenarios *Journal Article*
A. Sherman, D. DeLatte, **M. Neary**, L. Oliva, D. Phatak, T. Scheponik, G. Herman, J. Thompson *To be submitted to Crypologia (2016)*