

# Haven Carlson

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## EDUCATION

University of Maryland, Baltimore County (UMBC)

Bachelor of Science, Geography

Bachelor of Science, Computer Science

- President's list (Spring 2014, Spring 2015, Spring 2017)

Started Fall 2013

Graduated May 2017

GPA: 3.549

College of Southern Maryland (CSM)

- Dean's list (Fall 2012, Spring 2013)

Attended Summer 2011 – Spring 2013

GPA: 3.565

## SKILLS

### Programming

Python, R, JavaScript, SQL, C++, Java, Matlab, HTML, CSS

### Software

Microsoft Office, ArcGIS, QGIS, ENVI, RStudio, PuTTY, SharePoint Designer

## WORK EXPERIENCE

### *Northrop Grumman Corporation*

Software Engineer

- SharePoint development for intranet sites

Annapolis Junction, MD

June 2017 – Present

### *UMBC*

Geospatial Lab Research Technician

- Manage, summarize, and analyze geospatial data with a focus on raster classification and analysis

Catonsville, MD

March 2016 – May 2017

GIS Lab Proctor

- Assist students with ArcGIS software and outdoor data collection
- Perform system administrator duties for the GIS and cartography labs

January 2016 – May 2017

Technology Support Center Student Consultant

- Provide technical support to students and faculty

September 2014 – December 2015

## INTERNSHIP EXPERIENCE

### *NASA Goddard Space Flight Center*

JPSS Intern

- Develop program that converts data taken by satellite to geolocated, true color images for the Joint Polar Satellite System (JPSS)
- Work with other interns to integrate systems for visualization tool

Greenbelt, MD

Summer 2016

### *Chesapeake Bay Foundation*

Client Services Intern

- Provide technical support, including application installation, application trouble shooting, and accessing network resources
- Perform PC setup and upgrades
- Create video tutorial library and education media for users

Annapolis, MD

Summer 2014

## VOLUNTEER EXPERIENCE

### *Mattawoman Watershed Society*

Field Data Collector

- Dissolved oxygen sampling for Maryland Department of Natural Resources
- Ichthyoplankton sampling for Maryland Department of Natural Resources
- Record water quality and observations

Bryans Road, MD

Spring 2011 - Present