

# Jonelle Bowen

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## EDUCATION

### University of Maryland, College Park, MD

[2015-present]

B.S. in Computer Science, **GPA: 3.485**, May 2018

### Montgomery College, Rockville, MD

[2013-2016]

Associate's Degree in Computer Science and Technologies, **GPA 3.81**

## WORK EXPERIENCE

### Web Developer Intern

[Fall 2017]:

- Currently working with the Embassy of Jamaica to redesign their official website

**Computer Science Tutor:** *University of Maryland, College Park: Maryland Center for Women in Computing (MCWIC) tutoring program*

[Fall 2016-present]:

- Assist students enrolled in various computer science courses with understanding course concepts through group and individual tutoring sessions

**Software tester (intern):** *Montgomery College: Office of Information Technology (OIT)*

[Summer 2015]:

- Installed and tested Computer Science software in computer labs
- tested the Computer Science department's new VMware virtual desktop
- worked with a team of OIT staff to do base imaging, deploying and computer configuration

**Peer tutor:** *Montgomery College:*

[2015]:

- Assisted Computer Science students with implementing class projects, and understand course material for the Graduate and Transfer Science, Technology, Engineering and Math Talent Expansion Program (GT-STEP),

## PROGRAMMING EXPERIENCE/COMPUTER SKILLS

**Software Engineering:** C, C++, Java, OCaml, Ruby, Object-oriented Programming

- Collaborated with a team to implement a Bank/ATM system using router communication and AES cryptography
- Implemented a parser and interpreter for C programs

**Web Design:** HTML, JavaScript, PHP, CSS, Bootstrap

- Worked with a team to develop a searchable database of UMD undergraduates, allowing users to recruit qualified students for developing start-ups, project development and other entrepreneurial pursuits

**Security:** JavaScript, PHP, SQL, OpenSSL

- Explored, executed and defended against common web attacks: SQL Injection, Cross-site Scripting (XSS), Cross-site Request Forgery (CSRF)
- Implemented a project exploring public and symmetric key encryption, cryptographic hash functions and public-key infrastructure

**Information Processing:** Trees, Graphs, Algorithms, Prolog

- Implemented various data structures for searching uni/multi-dimensional data, social-network data and text data

**Platforms:**

Eclipse, Windows, Linux/Unix, VMware Workstation, NetBeans, Adobe Photoshop, MS Office Suite

## HONORS, AWARDS, LEADERSHIP

**Academic Peer Mentor:** Assists course director for **Object-oriented II** with teaching students the course material and assisting students with projects, University of Maryland, College Park. [Fall 2016]

The Office of Multi-Ethnic Student Education (OMSE) Academic Excellence Award [Spring 2016]

The Dr. Harry Harden Jr. Student Academic Excellence Award [Spring 2015]

**Dean's List** at Montgomery College, GPA: 3.81 [2013-2015]

**President** of the Caribbean Students Association, Montgomery College, Rockville [2014-2015]

Represented Montgomery College in the panel presentation, "Allies in the Campaign to Modernize the College Library", at the Northeast Regional Honors Council [2015]