

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

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: Python, 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]