

# Ryan Harris

Dedicated and highly motivated college student pursuing interests to further gain professional development skills and additional leadership opportunities.

Stafford, VA 22556  
(330) 696-6208  
[rharris4@mail.umw.edu](mailto:rharris4@mail.umw.edu)

## PROJECTS

**DDProxy** — *A Windows Filtering Platform (WFP) sample driver to redirect traffic from a designated address to another*

OCTOBER 2017 – NOVEMBER 2017

Setup kernel-mode debugging, deployed the unmodified driver, modified to handle addresses via code instead of the registry, then deployed modified driver.

**D&D 4E Knowledge Database**— *A website designed to make Dungeons & Dragons character creation easier, built with Python's Flask micro-framework*

OCTOBER 2016 – DECEMBER 2016

Designed website layout, refactored HTML templates for Python compatibility, implemented PostgreSQL database queries, and organized project management system.

**UMW Hub** — *A pilot project incorporating immersive online technology with actual campus experiences to support the first-year experience*

SEPTEMBER 2015 – NOVEMBER 2015

Under the supervision of Dr. Mary Kayler, Director of the Center of Teaching Excellence and Innovation, designed ID clearance badges for students, quest rewards, and themed posters using Adobe Photoshop and Adobe Illustrator.

## EXPERIENCE

**Monarch Pool Care, Stafford, VA** — *Service and Store Assistant*

MAY 2015 - JULY 2016

Responsible for service and maintenance of residential pools and equipment in the Stafford area. Cleaned pool interiors. Used water test kits to properly balance pool water. Provided customer service onsite and in-store.

## EDUCATION

**University of Mary Washington, Fredericksburg, VA** - *Full-time Student (Senior), 3.28 GPA*

AUGUST 2014 - PRESENT

Majoring in Computer Science, minoring in Applied Mathematics. Graduating in May 2018.

## LANGUAGES

Python, C, C++,  
PostgreSQL, MySQL,  
MongoDB, Java,  
HTML, CSS, Git, Unix

## KEY SKILLS

Efficient multitasking  
Active communication  
Adaptability  
Strong attention to detail

## AWARDS

### Presidential Award

Granted by the University of Mary Washington for commendable grade averages.

### Gold Level National Career Readiness Certificate

Granted by ACT for demonstrated skills in mathematics, reading for information, and locating information.