

# Alexander Priest

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## EDUCATION

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### University of Mary Washington - Fredericksburg, VA

- Bachelor of Science in Biology, May 2016
- Minors in Chemistry and Neuroscience
- Post-Baccalaureate degree in Computer Science, May 2017
- Minor in Data Science

## PROJECT EXPERIENCE

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### Tabletop Game Website – UMW Course Project

Fall 2016

#### *Scrum Master, Front End Developer*

- Collaboratively determined vision for the project and the requirements to attain the end goal
- Collaborated in on a team to build a website using Flask and AngularJS with a PostgreSQL database and python backend, developed design using SCRUM via [taiga.io](https://tree.taiga.io/project/axelstpier-insert-name-here/)
  - <https://tree.taiga.io/project/axelstpier-insert-name-here/>

### Message Board Team Project – UMW Course Project

Spring 2016

#### *Co-Team Leader*

- Collaborated in a team on a application; Developed design by writing Use Cases and Class Diagrams
- Co-project head with another teammate, worked collaboratively to implement our design

### GBA Game Development – UMW Course Project

Fall 2016

#### *Designer, Software Engineer*

- Collaborated with a partner to develop a 2-D platforming game for the Game Boy Advance hardware in C

### Identification of Inhibitors of Fatty Acid Synthesis Enzymes in *Mycobacterium Smegmatis* – UMW Internship

Summer 2014 - Fall 2015

#### *Blue Waters Intern, Lab Tech*

- Worked with Dr. David Toth on using a supercomputer (Blue Waters) to run high-throughput screens by writing shell-scripts and analyzing data to recommend a direction for wet-lab work
- Culminated in paper with Dr. Lynn Lewis published in the *Journal of Computational Science Education*
  - <https://doi.org/10.22369/issn.2153-4136/6/1/3>
- Presented findings at a conference hosted by the American Society for Microbiology

## SKILLS AND TRAINING

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- Computer Languages: C, C++, HTML5, Java, JavaScript, Python, R, Shell scripting,
- Frameworks: AngularJS, Flask
- Other: Git/GitHub, PostgreSQL, SCRUM/Agile, SQL, Unix