

## EDUCATION

Landenberg, PA	Continuing Education	December 2021 - Present
Udemy	The Complete 2023 Full Stack Web Developer Bootcamp	April 2024 - Present
Udemy	The Python Bible: Everything You Need to Program in Python	Completed May 2023
AWS Educate	Getting Started with Databases	Completed March 2023
AWS Educate	Introduction to Cloud 101	Completed Feb 2023
Starkville, MS	Mississippi State University	August 2018 – December 2021
<ul style="list-style-type: none"><li>• B.S in Software Engineering. Program GPA: 3.32</li><li>• Undergraduate Coursework: Data Communications, Operating Systems, Software Architecture &amp; Design Paradigms, Distributed Client/Server Programming, Network Security, Cryptography, Computer Ethics, Database Management Systems, Digital Devices &amp; Logic Design, Discrete Structures, Microprocessors, Software Project Management, Software Testing &amp; Quality Assurance, Computer Programming,</li></ul>		
Clinton, MS	Mississippi College	August 2015 – August 2018
<ul style="list-style-type: none"><li>• B.S in Biology Medical Sciences</li></ul>		

## EMPLOYMENT

IT Support	T. Palmer Wilks, Jr., D.M.D., P.A.	June 2019 - Present
<ul style="list-style-type: none"><li>• Provided continued IT support to computer systems in dental office setting, including internet connection support, file management, and patient record databasing</li><li>• Implemented database of payroll records to qualify for the small business Paycheck Protection Program loan during Covid-19</li><li>• Identified hard drive failure and initiated data recovery program</li></ul>		
Undergraduate Researcher	Mississippi State University	Spring 2019
<ul style="list-style-type: none"><li>• Coded insect genomes and their pathogens to understand host-pathogen interactions</li><li>• Programmed genome sequences using Bash, Python, C++, and C to understand effect of environment on mosquitos and their ability to transfer pathogens</li></ul>		

## TECHNICAL EXPERIENCE

### Coursework Projects

- **Senior Design 1:** Project lead of four-person team tasked with digitizing records for The Daughters of the American Revolution. Implemented optical character recognition to facilitate digitization and host onto existing website (WordPress, Hostmonster). Responsible for documentation, project management, and communication with client.
- **Senior Design 2:** Code manager for four-person team tasked with knowledge database management project. Incorporated GitHub and Drupal content application framework resources to create and implement website for MSU library archives.
- **Software Architecture:** Design site architecture for web-based storefront using UML sequence/class diagrams. Designated project lead of four-person team.
- **Distributed Client/Server Programming:** Developed web-based application for student textbook exchange (Books4MSU) via browser. Created requirements document and design document for project.
- **Software Engineering:** Utilized Agile methodology to develop social media platform similar to Twitter (named Bitter). Responsible for implementing search bar functionality (users, phrases, etc) and site formatting. GitHub implemented for software management and organization.
- **Software Testing & Quality Assurance:** Directed individual study covering testing (user, boundary, coverage, usage based, machine based, flow based, integration), quality assurance, fault tolerance, formal verification, quality analysis techniques and quantifiable quality improvement.

### Languages and Technologies

- Python, Bash, C++, C, Java, JavaScript, HTML, PHP, Assembly,
- Quartus Prime, Linux/Ubuntu, Microsoft, Oracle, MySQL, PostgreSQL