David Durland

484-661-3223 | durland.david@gmail.com | www.linkedin.com/in/davidDland | daviddland.github.io

EDUCATION

Shippensburg University   Pennsylvania, USA
BS in Computer Science, Minor in Mathematics, GPA: 3.1   *Graduation Fall 2025*
- Relevant Courses: Design and Analysis of Algorithms, Design Patterns, DBMS, Data Science, Operating Systems

TECHNICAL SKILLS

Languages: Java, Python, C, R, MATLAB, LaTeX, HTML, CSS, JavaScript, SQL
Developer Tools: Git, VSCode, Visual Studio, Gitlab
Frameworks: Node.js, React.js, Express.js, Tailwind
Soft Skills: Organization, Problem Solving, Communication, Teamwork, Attention to detail

PROJECTS

Operating Systems SHELL (Academic) | *C*   February 2024 – March 2024
- Developed a Unix shell to enhance understanding of the Unix/C programming environment.
- Utilized system calls such as fork(), exec(), and wait()/waitpid() for process management and execution.

CRUD MERN Blog (WIP) | *HTML, CSS, JavaScript, MQL*   January 2024 – Present
- Developing a full stack CRUD blog application using the MERN stack(MongoDB, Express.js, React.js, Node.js)
- Integrated MongoDB as the database backened for storing and managing blog posts efficiently
- Working on designing and implementing RESTful API endpoints using Express.js

Game Project (Group Academic) | *Java, Gitlab*   August 2023 – December 2023
- Utilized Test Driven Development throughout the development of this group project
- Took advantage of Polymorphism to ensure flexibility, scalability for versatile handling of data classes and methods
- Implemented a GUI using JSwing to use I/O to interact with the game
- Implemented multiple Design Patterns to ensure readability and changeability for the future.

Project Website | *HTML, CSS, JavaScript, Git*   December 2022 – Present
- Developed a website from scratch to serve as a platform for showcasing future projects
- Website includes various interactive features such as smooth transitions, clickable links, and hover effects
- Utilized EmailJS to enable visitors to contact the me directly through email
- Incorporated best practices to help create a means of organization within the CSS and HTML

NON-FIELD EXPERIENCE

Technical Help Desk Representative   October 2022 – Present
Shippensburg University   *Shippensburg, Pennsylvania*
- Collaborated with associates to effectively troubleshoot and resolve technical issues for students and staff.
- Logged technical issues using the University's ticketing system to ensure timely and effective resolution
- Troubleshot technologies to ensure student workflow or provided options to resolve their conflicts.

Data Entry Associate   November 2021 – Spring 2024
Lotus Consulting LLC   *New Cumberland, Pennsylvania*
- Facilitated the completion and submission of important documents, leading to a more organized environment
- Collaborated with an administrator to set and meet deadlines
- Assisted in upkeep of worker database, adjusting pivot tables, and organizing data

EXTRACURRICULAR

Community Management and Technical Support Personal Discord Server   December 2018 – Present
- Established a thriving community of like-minded Computer Scientists/Engineers and many more
- Collaborated with community members to develop, and implement strategies to solve technical problems
- Utilized various tools to maintain an enjoyable environment and a safe place