Daniel Pavenko

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Technical Skills

Languages: JavaScript, Python, Java, C, SQL, Bash, HTML, CSS, LaTeX, Russian, English

Frameworks & Libraries: React, Node.js, Express, Tailwind CSS, Bootstrap, Axios, Sequelize, React Router, React Context API, Swing

Tools & Technologies: Git (GitHub, GitLab), Docker, NPM, VS Code, IntelliJ, Vite, Eclipse, CLion, Linux, Unix, RegEx, Valgrind

Education

Shippensburg University of Pennsylvania — Shippensburg, PA
Bachelor of Science in Computer Science — *Jan. 2021 – Dec. 2025 (Expected)*

- GPA: 3.725; Honors & Awards: Dean's List for all semesters
- **Relevant Coursework:** Operating Systems, Algorithms, Networks & Security, Database Management Systems, Design Patterns

Professional Experience

Schreiber Foods — Shippensburg, PA
Technology Intern — *Aug 2023 - Present*

- Utilized Agile methodologies, including Scrum and Kanban, to streamline project workflows and enhance team collaboration.
- Managed and maintained server infrastructure and Oracle databases, ensuring 99.9% uptime for operations supporting 600+ employees.
- Deployed and configured enterprise hardware, facilitating seamless IT operations across the plant.

Projects

User Authentication System — `https://github.com/Danpav1/login_website`
React, React Router DOM, React Context API, Vite, Tailwind CSS, Axios, Node.js, Express, Sequelize ORM, SQLite, JWT, bcryptjs, dotenv

- Developed a secure user authentication platform using JWT and bcryptjs, enhancing system security and user data protection.
- Built a responsive frontend with React and Tailwind CSS, ensuring optimal user experience across various devices.
- Implemented backend services with Node.js, Express, and Sequelize ORM to efficiently manage user data in a SQLite database.
- Established seamless frontend-backend communication using Axios and NPM, facilitating efficient API interactions and package management.

Process Shell — `https://github.com/Danpav1/shell/tree/main`
C, Bash, Valgrind, Git, Docker, NPM

- Created a custom Unix shell in C, incorporating features like scripting, I/O redirection, and parallel command support to enhance functionality.
- Leveraged multi-processing to enable concurrent command execution, significantly improving shell performance and responsiveness.