Alexander Wagner  
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## Professional Summary

I’m a dedicated software developer with a comprehensive foundation in computer science, currently pursuing a Bachelor’s degree with a focus on software engineering. I have experience in multiple programming languages and frameworks, enabling me to develop secure, efficient applications across client-server solutions, interactive dashboards, and game development. I bring keen attention to detail, a commitment to code quality, and strong problem-solving skills. I’m seeking a remote position where I can apply my technical expertise and further refine my skills in software, web, and game development.

## Technical Skills

**Programming Languages:** C++, C#, Java, Python, Kotlin, JavaScript, HTML, CSS, SQL  
**Development Tools:** Visual Studio, Eclipse, PyCharm, GitHub, Unity, Jupyter, Powershell, Cursor  
**Frameworks/Libraries:** .NET Core, ASP.NET, Spring, Maven, Dash  
**Database Management:** MySQL, MongoDB  
**Software Development Practices:** Agile methodology, Test Automation, Unit Testing, Data Structures, Software Development Life Cycle  
**Additional Skills:** Game Development, Web Development, Client/Server Development, Application Development

## Education

Bachelor of Science in Computer Science - Software Engineering  
Southern New Hampshire University | Expected Graduation: 2025

GPA: 3.6

## Projects and Experience

**Client/Server Web Application Dashboard (CS-340)**  
Developed an interactive web application dashboard using Python, Dash, and MongoDB to manage and visualize animal shelter data. Integrated CRUD operations and designed a responsive geolocation chart to enhance user experience. Implemented interactive widgets, including filters and an exportable data table to enable users to explore and analyze key metrics in real time.

**Folder Encryption Software**  
Developed a secure folder encryption application using Python, implementing AES encryption with PBKDF2 key derivation and unique salt generation. Features a user-friendly GUI and robust error handling for safe file operations.

**PC Performance Monitor**

Developed a real-time PC monitoring application using C# and Windows Forms that tracks CPU, GPU, RAM, and disk performance metrics. Implemented hardware monitoring using LibreHardwareMonitor to provide users with detailed system temperature and usage statistics.