

Tyler Pent

Contact

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Website: tylerpent.com

Education

Geneva College, Beaver Falls, PA

- **Master of Science in Cybersecurity** (GPA: 3.96) - May 2023 - May 2024
- **Bachelor of Science in Computer Science** (GPA: 3.76, Dean's List) - Aug 2020 - May 2023
- **Extracurricular:** Computer Science Club

Skills

- **Programming Languages:** C#, Python, JavaScript, VB.NET, XML, Ruby, HTML, CSS
- **Frameworks:** Django, Flask, Vue.js, Blazor, React.js, WPF, WinForms, Semantic UI, Vuetify
- **Databases:** SQL, Microsoft SQL Server, SQLAlchemy, Stored Procedures, Query Optimization, ETL, ADO.NET, Django ORM
- **Tools:** uWSGI, NGINX, Redis, Ansible, LINQ, Linux, Multithreading
- **Cloud Platforms:** Amazon Web Services (AWS, EC2, S3)
- **Version Control:** DevOps, Git, GitHub, Subversion, GitLab
- **Soft Skills:** Time Management, Problem-Solving, Collaboration, Agile Methodologies, Programming, Web Development, Software Development

Experience

Programmer (.NET Developer)

Westmoreland Mechanical Testing & Research Inc. | Latrobe, PA

Dec 2023 - Present

- Worked across a wide variety of projects throughout the company with different technologies and teams. Quickly gained an understanding of how all areas of the company run to provide better solutions and insightful opinions in meetings.
- Led the development of the interface that facilitated communication and data transfer between tension material testing frames and the inhouse L.I.M.S. database.
- Integrated multiple standalone applications into a centralized application, creating a solution for easier deployment and management (CI/CD).
- Became the go-to resource for teammates in UI development, creating visually appealing interfaces for data entry and large dataset representation.
- Collaborated with teammates to diagnose and resolve technical issues, ensuring timely project progress and fostering a collaborative environment.

Software Automation Intern

Coherent Corp. | Saxonburg, PA

May 2023 - Dec 2023 *8 months*

- Contributed significantly to the development and testing of a major release of a Vue.js app (Flask backend), serving as a control interface for diamond-turning technicians, resulting in positive user feedback.
- Developed a Python-based web application for remote management of Raspberry Pis across the company, monitoring online status and providing data visualization for metrics such as temperature, uptime, and operational issues.

Software Developer High School Intern

IQ Inc. | Monroeville, PA

Jan 2020 - Mar 2020 *3 months*

- Contributed to designing and developing a React-based web application hosting a programming game, facilitating networking opportunities among programmers.
- Demonstrated strong problem-solving skills and quickly adapted to new technologies, ensuring timely project delivery.
- Utilized JavaScript, React.js, Git, Agile methodologies, HTML, CSS, and Semantic UI.
- Gained in-depth understanding of software engineering fundamentals by observing and shadowing experienced professionals, enhancing knowledge of their roles and responsibilities.