

Lucas Steinmetz

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EDUCATION

Villanova University, Villanova, PA

May 2027

Bachelor of Science in Computer Science, Minor in Cybersecurity

GPA: 3.6/4.0 | Dean's List

Relevant Coursework: Algorithms & Data Structures, Analysis of Algorithms, Computer Systems, Database Systems, Software Engineering, Platform-Based Computing, Theory of Computation, Ethical Hacking, Secure Software Development.

COMPUTER SCIENCE EXPERIENCE

Data and Technology Intern, Villanova Career Center, Villanova, PA

October 2024 – Present

- Automate data workflows and organize datasets to improve efficiency in Career Center processes and reporting.
- Develop web components on the Career Connections platform, enhancing user experience and accessibility for students.
- Research and integrate AI-driven solutions to expand the functionality and impact of career development tools.

Machine Learning in Traumatic Brain Injury Prediction, Villanova, PA

January 2024 – September 2024

- Analyzed and modeled data from 300 TBI patients using XGBoost and Transformer Models to predict mortality and functionality, enhancing predictive accuracy and clinical applicability.
- Co-authored a paper currently under review for publication.

Time Series Forecasting of Covid-19, Pottstown, PA

February 2023

- Used Python and advanced algorithms to accurately predict Covid-19 cases worldwide by preprocessing data from reputable sources and constructing a robust forecasting model.

LEADERSHIP & ACTIVITIES

AI Task Force, Villanova University, Villanova, PA

September 2024 – Present

- Partner with university leaders to develop ethical guidelines and best practices for AI
- Identify and evaluate AI applications that enhance academic resources and support university-wide goals.

Programming Team, Villanova, PA

September 2023 – Present

- Collaborate with team members in various programming projects and activities, enhancing coding skills and understanding of core computer science concepts.

Career Center Ambassador, Villanova, PA

September 2023 – January 2025

- Actively guide and support fellow students in drafting and refining professional resumes, boosting job application quality.
- Volunteer at employer events, facilitating coordination and positive engagement between students and employers.

PROFESSIONAL EXPERIENCE

USGA Boatwright Internship, Philadelphia, PA

May 2024 – August 2024

- Streamlined golf tournament administration using database management and online registration systems.
- Coordinated volunteer activities using digital tools, ensuring seamless event execution and communication with participants.
- Analyzed extensive event data to enhance decision-making, improved efficiency, and ensured accurate reporting.

Golf Operations Assistant, Spring Ford Country Club, Royersford, PA

June 2018 – May 2024

- Managed golf operations, welcomed and built relationships with 220 members, oversaw procurement and inventory, supervised 5 employees, and maintained luxury standards.
- Lead the pro shop's digital launch, generating \$126,000 in online sales within 18 months.

Caddie, Philadelphia Cricket Club, Philadelphia, PA

July 2021 – August 2023

SKILLS & AWARDS

Languages: Java, C++, Python, Visual Basic, SQL, JavaScript, Dart, HTML, CSS

Frameworks: React, Django, .NET, Flutter, Flask

Developer Tools: Git, Firebase, VS Code, Visual Studio, JupyterLab, SQLite

Skills: Web Development, Data Structures, Algorithms, Database Management, Linux, PowerShell, UI/UX Design

Awards: PSECU Scholarship Recipient, PGA Scholarship Award Recipient