

# STEVE MATHEW

Hatboro, Pennsylvania

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## EDUCATION

**Pennsylvania State University**

**AUG 2020 – DEC 2024**

*B.S. in Computer Science, IST Minor- **GPA - 3.33***

*Abington, PA*

## COURSEWORK

- Artificial Intelligence
- Data Structure & Algorithms
- Organization of Data
- Machine Learning in Data Science
- OOP
- Discrete Math
- App Development
- Linear Algebra
- Calculus 1 & 2

## SKILLS

**Frontend:** JavaScript, CSS, HTML5

**Languages:** Java, Python, C++, SQL

**Technologies/Platforms:** Git/GitHub, Docker, Kubernetes, VS Code, Netbeans, ServiceNow

**Systems:** Linux, osX, Windows

## CERTIFICATIONS

Google CyberSecurity Professional 2023

## WORK EXPERIENCE

**Information Services Internship** | *Children's Hospital of Philadelphia*

**Oct 2 2023 - Dec 22 2023**

- **Project Leadership:** Led the iPhone Unidock overlay deployment, enhancing hospital operations and patient care.
- **Technical Troubleshooting:** Resolved technical issues for devices, ensuring minimal downtime and optimal staff productivity.
- **Innovation and Efficiency:** Boosted operational efficiency by 80% through new imaging techniques and process streamlining.
- **Service Management:** Managed ServiceNow tickets effectively, ensuring swift and accurate issue resolution.
- **Data Security:** Maintained strict data security protocols to protect patient information and hospital data.
- **Network Maintenance:** Gained experience in network patching, contributing to a secure and reliable healthcare infrastructure.

## PROJECTS

**FoodFolio Nutrition Program** | *Python, Flask, SQLite, Pandas, Scikit-learn, Github*

**April 2024**

- \* Developed "FoodFolio," a Python and Flask application offering personalized recipe recommendations based on user dietary goals and nutritional analysis.
- \* Engineered data preprocessing, feature engineering, and a K-means clustering model using Pandas and Scikit-learn for accurate recipe categorization.
- \* Built and tested a responsive front-end interface using HTML, CSS, and JavaScript, ensuring dynamic user interactions and system reliability.
- \* Utilized SQLite for database management and conducted thorough API and database tests to guarantee data integrity.
- \* Collaborated on GitHub for efficient version control and project coordination.

**Personal Finance Assistant** | *Python, Pandas, NLTK, Matplotlib, NLP*

**NOV 2023**

- \* Successfully implemented a functional and user-friendly finance management tool.
- \* Improved user experience through GUI customization and dynamic styling.
- \* Demonstrated proficiency in data handling, security, and application design.
- \* Plan on exploring integration with cloud-based storage for seamless multi-device access and implementing data visualization features for insightful expense analysis.

**College Course Catalog** | *Python, HTML, CSS, SQL, JavaScript*

**DEC 2022**

- \* Implemented Binary Search Tree algorithm to create a college course catalog that utilizes CRUD functionality to store and access data on Penn State Abington CMPSC classes.