Matthew Potts

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EDUCATION

West Chester University of Pennsylvania　　　　　　　　　　　　　　　West Chester, PA
B.S. in Computer Science, Honors Seminar Pathway, Minor in Mandarin Chinese, GPA: 3.789　　　*May 2027*

- **Certificates:** Computer Security & Cloud Engineering
- **Relevant Coursework:** Data Structures and Algorithms, Data Communications and Networking, Operating Systems, Computer Security and Ethics, Computer Systems

EXPERIENCE

STAR Software Engineering Intern　　　　　　　　　　　　　　　May 2025 – Present
SAP America, Inc.　　　　　　　　　　　　　　　　　　　　　*Newtown Square, PA*

- Research large language models (LLMs) and AI tools to identify opportunities for improving workflow efficiency.
- Test and prototype solutions using SAP Build Apps and Business Application Studio.
- Collaborated with another intern and a team member to develop an application using SAP BTP, React, and Flask to increase hiring efficiency.

Lifeguard　　　　　　　　　　　　　　　　　　　　　　　Oct. 2023 – May 2025
West Chester University of Pennsylvania　　　　　　　　　　　　　*West Chester, PA*

- Monitored pool safety for students and faculty, enforcing rules and preventing injuries.
- Collaborated with fellow lifeguards to maintain a safe and welcoming environment.
- Assisted in training and mentoring new lifeguards.

Head Lifeguard　　　　　　　　　　　　　　　　　　　　　May 2021 – Aug. 2024
Hopwood School and Camp　　　　　　　　　　　　　　　　　　*Towamencin, PA*

- Supervised swimming activities for children aged 2–12, ensuring a safe and enjoyable environment.
- Communicated pool rules and safety guidelines to campers and staff using age-appropriate language.
- Coordinated with counselors to plan and execute water-based activities and lessons.
- Led reconstruction of swim lesson structure and supervised lifeguards for ages 6–12.

PROJECTS

Album Bot | *Python, SQLite, Spotipy, Discord*　　　　　　　　　　　January 2026

- Developed a Discord bot that serves a randomized daily album and tracks listening progress.
- Designed and implemented an SQLite database to manage unlistened and completed album records.
- Integrated the Spotify API using Spotipy to fetch and update album metadata in real time.
- Displayed information on Discord for users to interact with.

GRSH | *C*　　　　　　　　　　　　　　　　　　　　　　　January 2026

- Built a simplified UNIX shell in C supporting command parsing and process execution.
- Implemented both batch and interactive modes for flexible user input.
- Added support for PATH resolution, I/O redirection, parallel command execution, built-in commands, and error handling.

Care Through The Cosmos | *Python, Flask, React, JavaScript, HTML/CSS, Git*　　　September 2025

- Collaborated with two other students over 10 hours to create a space-themed survival game.
- Used React and CSS animations to simulate star, meteor, and astronaut movement.
- Implemented systems for hunger, health, and energy tracking.

BudgeIT | *Python, SAP UI5, XML, JavaScript, HTML/CSS, JSON, SAP BTP, Git*　　　August 2025

- Developed a budgeting and coupon-tracking web application during a 3-day team sprint.
- Built the frontend with SAP UI5 and hosted it on the SAP BTP platform.
- Used SAP Business Application Studio and Git for development and version control.

Grumblr | *Python, MySQL, AWS EC2/RDS, JavaScript, HTML/CSS, JSON*　　　April 2022 – June 2022

- Developed a social media-style web app for users to post and like content.
- Hosted the site on AWS EC2 and managed user data with an RDS MySQL database.

Skills

Languages: Java, Python, C, JavaScript, HTML/CSS, XML, JSON, Postgres
Frameworks: React, Flask
Developer Tools: SAP UI5, SAP BTP, Google Cloud Platform, IntelliJ IDEA, Visual Studio Code, GitHub, AWS EC2/RDS
Other: Basic Fluency in Mandarin Chinese, First Aid Certified, CPR Certified

Extracurricular Activities

Men's Club Water Polo — Vice President   Fall 2025–Present

Competitive Programming Club — Secretary   Fall 2025–Present

Chinese Club — Secretary   Fall 2025–Present

Extracurricular Events

West Chester Programming Competition, Spring 2024

PACISE Programming Competition, Spring 2025

SAP STAR Hackathon, 2025

OwlHacks 2025, Fall 2025

CCSC-Eastern, Fall 2025