Aiden Nemeroff

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 github | linkedin

EDUCATION

Bachelor of Science in Computer Science, Minor in Information Science .... **Aug 2023 - April 2027**

University of Pittsburgh .... *Pittsburgh, PA*

Relevant Coursework: Data Structures & Algorithms | Systems Software | Networks & Information Security & Privacy

NOTABLE PROJECTS

Fraternity Website

- Designed, developed, and currently maintain a comprehensive website for the fraternity, leveraging **HTML, CSS, and JavaScript** to provide a seamless and responsive user experience for **80+ active members**.
- Independently manage all aspects of website administration, including domain registration, hosting configurations, and security protocols, ensuring **consistent up-time and data integrity**.
- Collaborate with fraternity leadership to update content, refine user interface design, and implement new features aligned with organizational goals and member needs.

Arcade Machine

- Designed and constructed a custom arcade machine using wood, integrating **Raspberry Pi** as the core system, and assembling external hardware like joysticks, buttons, and a display.
- Developed and implemented custom programs and scripts to optimize system performance, automate tasks, and troubleshoot issues for seamless gaming experiences.
- Installed and configured emulation software **(RetroPie)** to support multiple gaming platforms, ensuring smooth gameplay and a user-friendly interface.

Anagram Solver

- Developed an efficient solution for unscrambling multi-word anagrams using **recursive backtracking** techniques to systematically explore possible word combinations.
- Implemented a dictionary management system utilizing **dictionary.txt** and a multi-way **trie** structure to optimize run-time performance and enhance solving efficiency.
- Designed and integrated a method for **prefix-based word searching** within the trie, significantly improving the backtracking process and reducing computational overhead.

EXPERIENCE

QuickChek Corporation .... **May 2024 - August 2024**

Fuel Attendant .... *Brick, NJ*

- Delivered excellent customer service while handling fuel transactions & maintaining safety protocols.
- Operated fuel pumps, managed cash/credit transactions, and ensured equipment functionality.
- Conducted daily maintenance and cleanliness of the fuel area, adhering to company and state safety regulations.

Shoprite .... **May 2021 - August 2023**

Cashier & Personal Shopper .... *Jackson & Brick, NJ*

- Efficiently processed customer transactions using cash registers and POS systems, ensuring accurate handling of cash, credit, and coupons.
- Delivered excellent customer service by addressing inquiries, resolving issues, and assisting with bagging and product handling.

ORGANIZATIONS

Sigma Alpha Mu - Psi Chapter .... **March 2024 - Present**

Risk Manager .... *Pittsburgh, PA*

- Enforce the **National Sigma Alpha Mu Risk Management Policy** and oversee compliance at all chapter events.
- Develop and implement **risk management procedures** to ensure safety and mitigate liabilities.
- Lead **risk management programming**, including at least one educational presentation per semester.

Kappa Theta Pi - Beta Chapter .... **Sep 2023 - Present**

Vice President of Technological Development .... *Pittsburgh, PA*

- **Oversee and maintain** the fraternity's website and digital presence, ensuring accurate, up-to-date content and seamless user experience.
- **Manage and safeguard** the fraternity's data infrastructure, implementing regular backups and secure information storage.
- **Lead the Kappa Theta Pi Development Team**, directing technical initiatives and optimizing digital operations.

SKILLS

Technical Skills   Java | Python | C | SQL | R | JavaScript | HTML | CSS

Developer Tools   Git | Github | VS Code | Eclipse | Logisim | LaTeX