Sean Klein

(609) 535-2541 | seanrk06@gmail.com | U.S. Citizen | https://seanklein.info/

EDUCATION

Purdue University, *610 Purdue Mall, West Lafayette, IN 47907*   Expected Graduation, May 2028
Major: Computer Engineering; Credit hours: 33
Council Rock South High School, *Top 10% of Graduating Class; GPA: 4.3*   Graduated, June 2024
Relevant AP Classes: Computer Principles, Calculus AB, Physics C, Computer Science A, Statistics

WORK EXPERIENCE

Action Manufacturing Company, *Engineering Intern*   Bristol, PA | June 2023 – August 2023
- Built and tested armament equipment for M107 Warheads, ensuring deployment reliability through rigorous evaluations.
- Integrated and organized decade-old schematics into a virtual catalog, enhancing accessibility and reducing retrieval time.
- Developed an inspection system for quality control of MK60 gear systems, ensuring reliable field use through systematic testing protocols.

Abington Neurological Associates, *Research Assistant*   Abington, PA | June 2021 – August 2021
- Reviewed over 500 patient records to identify symptoms predictive of migraine onset, contributing to a comprehensive data set for a research paper.
- Managed patient-facing facilities, ensuring proper equipment maintenance and performing meticulous inspections to uphold high standards of patient care.

ACTIVITIES & LEADERSHIP

Scope Consulting, *Consultant*   West Lafayette, IN | September 2024 – Present
- Selected from a competitive pool of 200 students with a 5.7% acceptance rate.
- Consulting Beta Agency to identify commercial real estate opportunities in Southern California, building a modifiable interface using React and AWS to visualize storefront data, including goods sold, net revenue, and market share

Technology Club, *Co-President & Co-Founder*   Holland, PA | August 2021 – June 2024
- Grew club membership from its inception to 50+ active students
- Coordinated nationally-renowned speakers from companies such as NASA, Pratt & Whitney, Catalent Pharma Solutions
- Developed and facilitated a 3D printing workshop with 10+ attendees to enhance students' practical knowledge and enthusiasm for technology

Sigma Alpha Rho: Jewish Youth 501(c)(3), *President of National & Regional Board*   Richboro, PA | March 2021 – June 2024
- Founded chapter in 2021 and grew membership to 20+ students
- Coordinated events with the National Alumni Board, including a food drive with the Jewish Relief Agency
- Fundraised $5,000+ for my local chapter through alumni and local donations

COMMUNITY ENGAGEMENT

STEM Enrichment of Pennsylvania 501(c)(3), *Founder & Co-President*   Richboro, PA | November 2022 – June 2024
- Founded a non-profit to enhance youth STEM literacy, partnering with local businesses to expand educational resources.
- Designed and conducted web development workshops, teaching foundational coding skills to over 10 participants and fostering interest in technology.

STEMist Education 501(c)(3), *2023 Hackathon Organizer*   San Jose, CA | June 2022 – January 2024
- Contacted 20+ sponsors, amounting to $100k+ in prizes
- Collaborated to recruit 650+ participants to the Hackathon
- Developed & led a machine learning workshop during the 2023 Hackathon with 15+ attendees

PROJECTS & AWARDS

Final Design Review, One of 318 students chosen to present a prototype of an insect nanolab at NASA's Final Design Review in Houston, showcasing an innovative solution for sustainable food sources aboard the International Space Station (ISS).

Personal Portfolio Website, https://seanklein.info/, showcases three hackathon projects completed, one of which was awarded an honorable mention, in addition to more information about myself.

Widener Leadership Awards, One of 129 students selected across Pennsylvania, New Jersey, and Delaware for exceptional leadership in school and community activities, recognized by Widener University in partnership with NBC10.

Jewish Exponent Article, Interviewed for & quoted in the Jewish Exponent for an article on the revival of Sigma Alpha Rho

SKILLS & INTERESTS

Hardware Skills: Integration of hardware for mission-critical applications
Programming: Full stack web development, Java, Python, JavaScript, C, HTML, & CSS; ReactJS; MongoDB, currently pursuing AWS Solutions Architect Certification
Project Management: Team collaboration, project timelines; client communication
Data Analysis: Experience with statistical analysis, research methodologies; quality control systems