**AILEEN SIELE**

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**EDUCATION**

**Yale University,** New Haven, CTExpected Graduation 2025

* *BS in Computer Science*
* *Relevant Coursework:* Data Structures and Algorithms, Discrete Mathematics, Object-Oriented Programming
* *Self-initiated:* Meta Back-End Developer (Coursera)

**TECHNICAL SKILLS**

* *Computer Languages:* Python, JavaScript, C, SQL, HTML, CSS, Racket, Django, Flask
* *Skills:* Design, Debugging and Troubleshooting, Testing, Source Code Management with Git, Web Development using Django and Flask

**WORK EXPERIENCE**

**Student Technology Collaborative,** *Cluster Technician*, New Haven, CT September 2022 – Present

* Managed the upkeep and troubleshooting of Yale’s 30+ computer clusters, ensuring equipment functionality.
* Collaborated with the STC Cluster Operations staff to repair cluster machines, address software issues, and replace cluster peripherals, ensuring uninterrupted service and student satisfaction

**ZanaAfrica Foundation,** *Cluster Technician*, New Haven, CT September 2022 – Present

* Led training via Zoom for 20 mentors, resulting in the distribution of over 16,000 sanitary packets and educational comics in Kenyan Schools
* Produced engaging training visuals using Canva and Powerpoint, leading to 100% attendee satisfaction

**PROJECTS & LEADERSHIP EXPERIENCE**

**Coins,** *Class Project*, Applications of Computer and Data Science for the Digital Humanities January 2023 – May 2023

* Collaborated on a digital platform for Yale University Art Gallery’s extensive Dura Europos coin collection, enhancing accessibility and interactivity for scholars and enthusiasts
* Employed Javascript to implement an interactive visual tool, allowing users to view both obverse and reverse coin sides under varied lighting conditions by clicking the image
* Designed a robust front end with features like a cabinet display and a search function, filtering coins by attributes like origin, material, and size
* Developed a user-centric "Generous Browse" page, displaying coin images, origins, inception times, and detailed attributes, facilitating deeper exploration and understanding of the collection.

**HappyYalie,** *Class Project*, Introduction to Computing and Programming September 2021 – December 2021

* Developed a website using Python, SQL, Django, HTML, and CSS, allowing users to manage journal entries and get positive affirmations

**CodeHaven,** *Mentor*, New Haven, CT October 2022 – May 2023

* Instructed middle school students on computer science principles enhancing their problem solving skills and creativity
* Guided students towards developing their own basic games on Scratch, with emphasis on logical structuring

**Yale Entrepreneurial Society,** *Events Lead*, New Haven, CT January 2023 – May 2023

* Co-organized a tech and entrepreneurship focused intercollegiate conference in New York City, attended by 150+ student entrepreneurs and top tech industry professionals and founders
* Coordinated logistics, sponsorships, and speaker engagements, successfully drawing a significant turnout for the inaugural conference

**Other Organizations: ColorStack, Rewriting the Code, Yale Women and Gender Minorities in Computer Science, Yale Computer Society**