



Howard B. Owens Service-Learning Internship

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Science, Discovery, and the Universe

Computer Science

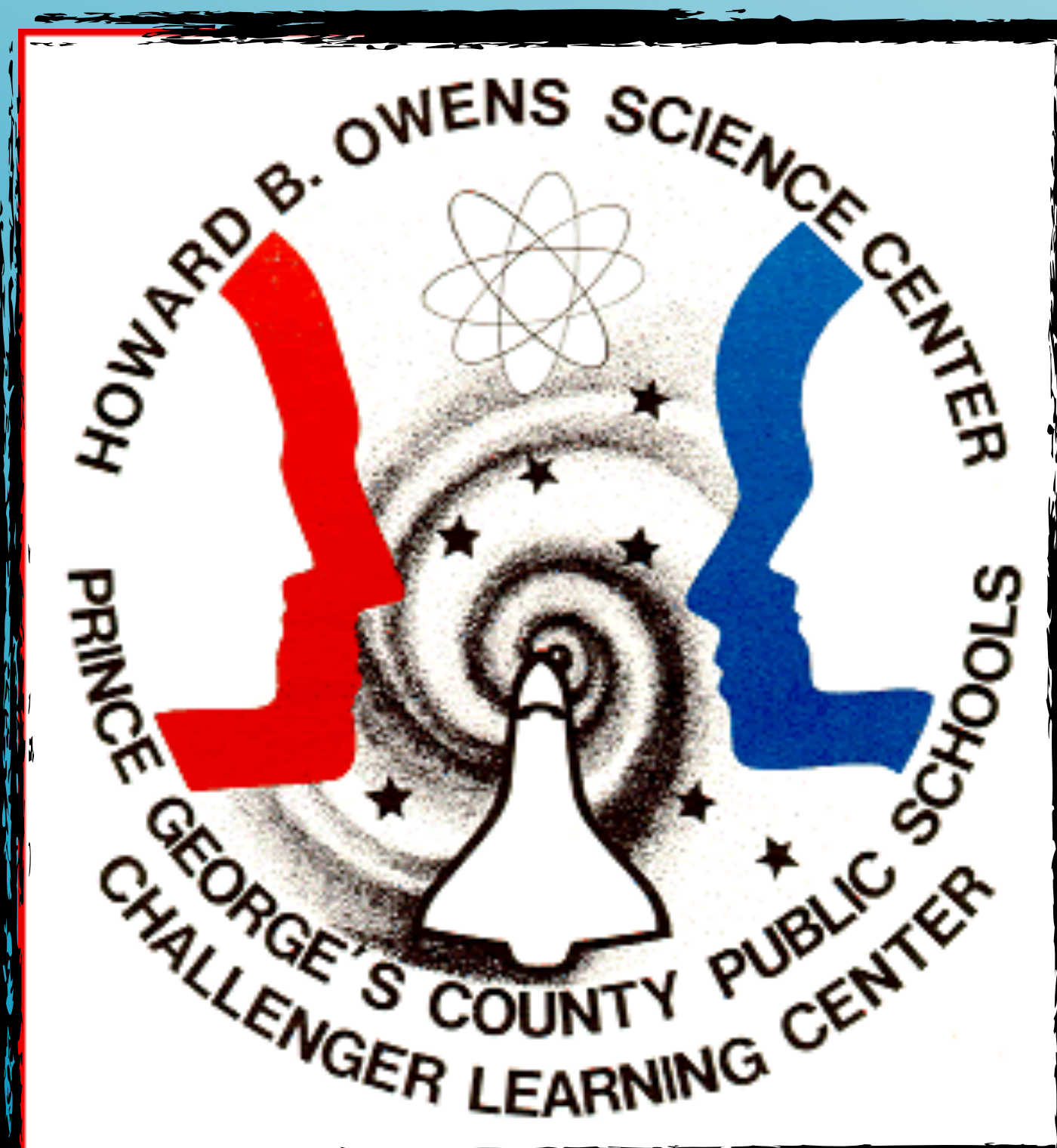


HOWARD B. OWENS SCIENCE CENTER



Introduction

I worked as an intern and service-learning worker at the Howard B. Owens Science Center, a center dedicated to STEM education through activity-based learning by providing unique exploratory experiences and hands-on, data-intensive activities that put the student in the driver's seat.



My Role

My role at H.B.O. involved taking on tasks that the staff was unable to, whether it be due to time constraints or being outside their area of expertise. Applying my experience with the field of computer science, I was able to provide help and instruction on many tech-related projects.

Projects

My most notable undertaking at H.B.O. was the task of creating and editing real media to be shown in their own planetarium. This involved familiarizing myself with several pieces of software, creating guides and instructions for staff on how to use the software, and rendering several pieces of media myself for use in specific programs tailored for the planetarium itself. Other tasks I worked on include helping design and assemble a large cage structure for drone flight, setting up and experimenting with VR headsets provided by the center, and beginning the process of designing a STEM class that had been meant to be taught at the center in the future. Along with these, I took on several crafts and odd jobs to save the staff of H.B.O. time, manpower, and management.

Conclusions

Through my service-learning work at H.B.O., I gained experience in both the educational field and my own, and I was able to familiarize myself with real work environments while also taking on projects that helped not only myself, but the teachers, administration, and other volunteers at H.B.O.