

Daniel W. Parker

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EDUCATION

August 2018 –
December 2022

West Chester University, West Chester PA — Full Time Student

- Bachelor of Science, Computer Science
- Minor: Astronomy

EMPLOYMENT EXPERIENCE

January 2020 –
Present

West Chester University, West Chester PA — HPC Astronomical Research

- Helping develop a course to teach college students how to use supercomputers for research
- Utilize TACC computer systems to simulate the magnetic field of supermassive stars
- Visualize research data using VisIt software for analysis and interpretation

September 2019 –
Present

West Chester University, West Chester PA — Planetarium Assistant (Seasonal)

- Operate the planetarium computer to run the public shows for students and families
- Present a thirty-minute tour of the night sky over the microphone in a calm and organized manner to educate the customers about the night sky and deep space
- Requires public speaking and time management skills to ensure the customers have a pleasant experience and leave on time

July 2018 –
August 2019

Shop 'n Save, Gibsonsia PA — Grocery & Frozen Associate (Seasonal)

- Maximize the stores sales by ensuring all products are stocked on the shelves and are fully visible to the customers
- Receive and organize product shipments to quickly replenish items on shelves
- Requires close attention to details, the ability to conduct moderate to heavy physical labor, and strong organizational skills

PERSONAL PROJECTS

February 2018 –
Present

Designing and Developing Unity Games

- Programmed a customizable 2D and 3D infinite procedural world generator
- Designed all 2D and 3D models and UI
- Integrated multi-threaded loading and saving of infinite map

TECHNICAL SKILLS

Programming

Advanced

- Java
- C#
- Python

Intermediate

- HTML
- CSS

Software

Advanced

- Microsoft Word
- Microsoft Excel

Intermediate

- Unity
- Eclipse
- Visual Studio
- Blender

PROJECT PORTFOLIO

Danielwparker.space

