

# Zoe Mershawn – Technical Artist

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Portfolio: [www.ZoeMershawn.com](http://www.ZoeMershawn.com)

## Education

- 2014–2019 **The Guildhall at Southern Methodist University** (Dallas, Texas)  
Master of Interactive Technology, Major: Level Design
- 2010–2013 **The University of Texas at Dallas** (Richardson, Texas)  
Bachelor of Arts, Major: Arts and Technology (Game Development)

## Skills

Particle Effects, Materials/Shaders, Optimization, Game Design, Animation, Level Design, Iterative Development, Technical Writing, Version Control, Scrum

## Software & Programming Languages

Photoshop, Unreal Engine 4, Visual Studio, 3DS Max, Maya  
UE4 Blueprint (Visual Scripting), C++, C#, Lua, Java

## Project Experience

- 2016–2019 **Technical Artist, Researcher**  
“Creating a Realtime Weather Model for Unreal Engine 4” (Master’s Thesis)
  - Researched scientific weather models, designed simplified version for game engines
  - Created a prototype weather model using UE4 and C++
  - Evaluated performance and commercial viability based on current industry trends
- 2015–2016 **VFX Artist, Technical Artist, Gameplay Designer**  
*Scrapped* (Video Game, 15-person team, Greenlit on Steam, 2016 IUGS Runner-up)
  - Created particle effects for gameplay features and placement in environments
  - Created an original VFX module in Blueprint in order to bypass engine limitations
  - Prototyped multiple gameplay mechanics including the primary player mechanic
- 2015 **VFX Artist, Level Designer, Gameplay Designer**  
*Spectra* (Video Game Technical Demo, 8-person team)
  - Created particle effects for gameplay features and placement in environments
  - Created animated materials/shaders for environmental assets
  - Designed the multiplayer level used in the final tech demo
  - Prototyped and scripted 2 of the 3 weapons included in the demo

## Work Experience

- 2022–Present **Home Theater Cadet**, Geek Squad (Best Buy Inc.)
  - Fulfilled an active support role immediately, learning skills on the job
  - Utilized active listening with clients to accurately meet needs and expectations
  - Coordinated with a large team to plan schedules and provide assistance where needed
- 2019–2022 **Uber Driver**, Uber Inc.
  - Balanced speed and safety when shuttling passengers
  - Optimized my routes to best fit hourly demand and minimize downtime
  - Maximized customer satisfaction by providing amenities