

# Kara Johnson

Software Engineer | Technical Artist

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## Achievements

- Wrote enablement code to add 5 domains to base product, resulting in revenue gains of \$30,000 per customer
- Designed and implemented a continuous delivery pipeline for automated testing that reduced QA time by 80%
- Recognized by manager and lead developers for consistently exceeding role expectations and responsibilities

## Technical Skills

- Programming Languages: Python, PyQt5/PySide2, C#, JavaScript/TypeScript, SQL, HTML/CSS
- DCC Tools: Maya, MEL, Unreal Engine 5, Houdini, VEX
- Core Skills: Azure/Azure DevOps, Snowflake, Git, Jira, Agile Methodologies

## Experience

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ESO Solutions

Oct 2022 – Present

### Software Development Engineer in Test

- Serve as QA liaison by translating technical concepts to product leads and ensuring cohesive ticket criteria
- Engineer robust testing procedures to validate complex data pipelines, reducing production bugs by 30%
- Identify workflow inefficiencies by implementing Sonar code analysis into deployment files for 13 repositories
- Troubleshoot issues under tight timelines, exceeding project deadlines to attain a 95% successful release rate

Kyber Initiative Game (Part-time)

Dec 2023 – Present

### Technical Artist

- Develop integrated tools tailored to support artists' needs for a Star Wars Jedi Knight remaster hobby project
- Create scripts to improve efficiency of asset generation with an emphasis on people-focused solutions
- Collaborate with 30 mid-to-senior level game developers and artists to maintain a cohesive tools pipeline
- Streamline artist workflows by writing scripts that automate repetitive processes, reducing task time by 20%

## Projects

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### Material ID Tool

- Created Python script in Maya that generates and applies materials for texture assignment and visualization
- Wrote comprehensive and clear documentation, facilitating seamless knowledge transfer and communication
- Adapted tool continuously to user feedback by aligning and enhancing features based on artist requirements

### Dream Drop Studios: Unannounced Game

- Support a 25-member indie studio as a developer and technical artist, solving a variety of challenges
- Implement a customized UI system using Common UI plugin and Unreal Engine 5 Blueprints (WIP)
- Coordinate Trello board to enhance organization and drive projects towards achieving goals set in each sprint

### Additional Released Tools

- Version Control Tool (Houdini/Python): Save and increment file versions with standard naming conventions
- Procedural Assets (Houdini/VEX): Mushroom and rock HDAs for environmental art models exported to UE5
- Rubik's Cube Script (Maya/ Python): Automate the modeling, texturing, and keyframing of a Rubik's Cube

## Education

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### Texas A&M University

Bachelor of Science in Architectural Engineering: Mechanical Systems

May 2022

GPA: 4.0

## Service and Activities

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ATX Game Makers – Member | Women/Asians in Animation – Member | OpenAustin – Software Engineer