

Kynan Justis

Resume/CV | 2024

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Experience

3D Simulation Team (L2-L3, Boeing Phantom Works, 2020-Current)

Skills: C++11, Qt5, CMake, OpenSceneGraph, OpenGL, GLSL

- Designed and implemented GPU accelerated 3D visualizations for a proprietary simulation application.
- Designed and implemented a custom 2D orthographic projection display panel to work in tandem with the running 3D simulation.
- Upgraded legacy 3D graphics dependencies and optimized build procedures.
- Documented and pruned low-level application dependencies to identify dead code and ideal areas for optimization.

Data Analytics Team (L1, Boeing Phantom Works, 2018-2020)

Skills: C++11, Qt5, Elasticsearch, Logstash, Kibana, Ruby

- Designed and implemented a proprietary data extraction plugin to perform real-time conversion from binary simulation protocols to JSON and text formats.
- Implemented custom Ruby plugins in Logstash to facilitate ingestion-time data transformations for simulation ontology.
- Built dynamic, user-facing visualization dashboards to display live and post-run simulation data.

Undergrad Research Assistant (Mizzou - Center for Geospatial Intelligence, 2017-2018)

Skills: Python, Postgres, JavaScript, C++

- Designed and implemented an automated web-scraping pipeline with SQL database for ingesting and indexing open source streetmap data.
- Implemented database triggers for post-processing ingested data to prepare it for a feature-based machine learning model.
- Designed and implemented a web-based front end to access and visualize ingested data.

Freelance

Gameplay QA Tester (“Tesla Breaks the World!”, Archetype Global, 2014)

- Participated in independent playtesting.
- Generated detailed bug and feedback reports via email.
- Received mention in the game’s end credits.

Personal Projects

Twitter Behavior Analyzer

Skills: NodeJS, Express

- Designed and implemented a web app for generating behavior analysis reports on a given Twitter user based on a third party sentiment analysis library.

Bevy Jam #4

Skills: Rust, Bevy, JavaScript

- 1-week game jam entry built using the Bevy game engine exported for web.

Education

University of Missouri - Columbia (2014-2018)

Bachelor’s of Science in Computer Science; Minor in Mathematics

GPA:3.707; Graduated with honors