

Landon Fowles

Software engineer skilled with Unreal Engine, C++, and Python.

Wichita, KS
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EDUCATION

Kansas State University, Manhattan, KS -*B.S. Computer Engineering*

EXPERIENCE

Big Brane Studios, Remote — *Gameplay Engineer*

June 2022 - June 2023

- Created and implemented narrative system for Sushi Ben VR
- Developed narrative tooling to automatically import quest scripts from spreadsheets, create placeholder text to speech audio, and automate import of created assets into Unreal Engine
- Optimized Sushi Ben for mobile VR headsets using RenderDoc and Unreal Insights

Partly Atomic LLC, Wichita, KS — *Owner*

May 2018 - Present

- Developed graph navigation plugin for Unreal Engine 4.
- Developed circuit simulation system for unreleased circuit design puzzle game.
- Developed extensively in both C++ and Blueprints in Unreal Engine 4
- Developed various game prototypes to test market interest
- Portfolio of public work at <https://partlyatomic.com>

Cobham AvComm (Aeroflex), Wichita, KS — *Software Engineer*

April 2012 - August 2017

- Created radio verification and testing scripts on the 7200 automated test set.
- Wrote Python scripts to significantly speed up debugging and creation of testing scripts.
- Designed and implemented test harness for automated testing of 3920B series test platforms.
- Responsible for testing replacements to obsoleted hardware components against Linux kernel drivers.
- Designed and implemented efficient low-overhead C++11 wrapper for specialized processing C library.
- Collaborated on investigation of heterogeneous processing library.
- Implemented continuous integration for building and testing on various platforms.
- Collaborated on architecture and implementation of object oriented RF hardware API.
- Eliminated unit ambiguity by integrating type safe units library into the API. Investigated and implemented hardware simulation for use with automated testing of API.

SKILLS

Unreal Engine 4 & 5

C++

Python

Git

AWARDS

2021 Epic MegaJam

- Tiny Award
- Kitbasher Award
- Second Place Overall

2019 Epic MegaJam

- Tiny Award