WHO IS 'scuti'?

Software developer, free software contributor, and blogger looking for an entry-level position.

Website and Blog: https://scuti.neocities.org/

PROJECTS

C,Python **lib3ddevil1** *(Library and demos)*
🔗 codeberg.org/scuti/lib3ddevil1
• Rips meshes and textures in unknown formats from a video game (closed source).
• Uses pointer arithmetic and type casting to initialize structs from array of bytes.
• Implemented foreign function interface to Python using ctypes.
• *I took apart a video game with a disassembler and memory scanner.*

C++11 **reflex2q3** *(Video game map converter)*
🔗 codeberg.org/scuti/reflex2q3
🔗 scuti.neocities.org/pages/reflex2q3...
• Converts vertices and faces into planar representations
• Used Eigen3 (linear alg. library) for calculations such as vector magnitude and bi/tangent.
• Fixed bug from someone else's code that caused output to look like a hairball.

C **hanvon-linux** *(Device driver)*
🔗 codeberg.org/scuti/hanvon-linux
🔗 scuti.neocities.org/pages/hanvon-linux
• Very old, unsupported pen tablets (art) can be used for drawing again.
• Reads absolute position (x,y), angle, pressure, tilt from a packet of 10 bytes.

C,Python, sqlite3 **xdfcgi** *(CGI / page generator)*
🔗 codeberg.org/scuti/xdfcgi
• Provided players a web interface to check map leaderboards and their scores.
• Created script to import leaderboards from game server into an sqlite3 database
• Used descriptive statistics to represent map difficulty (variance) and competition between players (median-mean difference)

INFO

E-mail:	scuti@tutamail.com
git:	https://codeberg.org/scuti
	https://git.projectsegfau.lt/scuti
Real Name:	□□□□□□□□□□□
Languages:	English, French
Skills:	C, C++, Python, Lua, Ada, SQL, HTML, CSS

FREE SOFTWARE CONTRIBUTIONS

2024 Dec	**Programmer** **Wildfire Games**
C++, JavaScript, Python	Contributed to *pyrogenesis* the custom game engine of *0 A.D*, a free and open source real-time strategy game (RTS). Collaborated with the developer community to improve functionality and stability.

W-2 EMPLOYMENT HISTORY

2021 Aug	**Lab Assistant** *(Current)* □□□□□□□□□□□□

• Conducted assays for controlled substances such as fentanyl for the confirmations phase of drug testing.
• Worked diligently to ensure correct and punctual results in an error intolerant environment.
• Started with a data entry role.

SELF-STUDY

Data Science Nanodegree *(In-progress)*
Udacity

Intro to Machine Learning (UD 120)
Udacity
🔗 https://scuti.neocities.org/pages/ud120-online-course...
Completed an online course about machine learning algorithms for classification and regressions. Used sklearn and nltk to train and evaluate models.