Tanner Loeppky

Contact

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Objective

B.Sc. Computer Science graduate with experience in commission programming, eager to contribute my skills and enthusiasm to a collaborative team environment. Seeking a position that offers mentorship opportunities and the chance to expand my expertise in full stack development.

Experience

Independent Contractor — Lua Developer
2022 - 2023 (Remote)
Full-stack freelance developer for a user interface plugin, responsible for delivering readable, thoroughly documented, and maintainable code to specification using Lua and Git version-control.

- Architected various asynchronous components for a complete and modular product.
- Plugin received 49,216 downloads as of August 2023
- Realtime parsing of natural language to tag messages.
- State preservation and validation between user sessions.
- Hashing verification system to prevent counterfeit messages.
- Interfaced with a 3rd party API.
- Created Python scripts for data manipulation.
- Managed other contributors and reviewed commits.
- Reference available on request.

NIA Drink & Dessert — Web Developer
2022 - 2022 (Remote)

- Built a Shopify store for online orders and merchandise sales.
- Custom Javascript features and layout to allow delivery scheduling to client's specifications

Lacombe County Office — I.T. Technician and Developer
2016 - 2017 (Lacombe County, AB)

- Deployed, monitored, and maintained network-wide server software.
- Developed a headless server hardware monitoring application.

Education

University of Alberta — B.Sc. Computer Science
2016 – 2021 (Edmonton, AB)
In-Major GPA: 3.0

Skills

- Javascript, Python, Java, ASP.NET, Lua, SQL, HTML5 / CSS, C, LaTeX
- Git Version Control
- Assembly-Level Programming and Computer Architecture
- Machine Learning
- Basic Encryption and Network Security
- Natural Language Processing
- Windows, Linux, Bash Shell, VSCode

Projects

- Self-Deployable Discord Music Bot [discord.py, ffmpeg]
  - Scalable, simple to set up
  - Plays from local library
  - Realtime manipulation of audio during playback [pysox]
- Simple Neural Network for Music Genre Prediction
  - Binary categorization of .wav files on a certain genre
- Visually Similar Image Matching Tool
  - Easily find duplicate or near duplicate images in a directory [PIL, imagededup]
  - Simple UI, highly performant [pyqt]
- Workflow Automation and Custom Backup Scripting