

Tanner Loepky

Software Developer

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Github: <https://github.com/TannerShmoog>

Key skills

Python, Lua, Java, HTML5, CSS, Javascript, ASP.NET, VB, C

DBMS Modeling and Optimization (SQL, Xquery, experience dealing with very large data pools)

Assembly Level Programming and Computer Architecture

Basic Machine Learning

Natural Language Processing (POS tagging, search tuning, classification problems)

Basic Encryption and Security concepts

Windows, Linux, Bash Shell

Soft skills

Troubleshooting – both software and hardware

Quick Study; Confident in picking up new languages and skills

Excellent Communication Skills; able to explain to and coordinate with end users

Summary

Recent University of Alberta Graduate, seeking a junior position in software development. Passionate about logical problem solving and creating excellent software.

Education and Experience

2022 Consulting and Web Development – NIA Drink & Dessert
Remote, Ongoing

- Development of a Shopify store for the client
- Custom features using LiquidJS
- Custom branding and design

2021 B.Sc. Specialization in Computing Science

University of Alberta, Edmonton

Relevant coursework:

- CMPUT 301 - Full stack Android application
 - Worked in a 6 person team to create a task auctioning app.
 - Developed to client specifications, with iterative revisions.
 - Elasticsearch back-end, exceeded performance requirements by implementing efficient data structures and caching.
 - GitHub project page available upon request.
- Information Retrieval, Natural Language Processing, DBMS Systems, Cryptography, Reinforcement Learning

2016–2018 I.T. Technician and Developer

Lacombe County Office

- Responsible for deployment, monitoring, and maintenance of various network wide server software.
- Conceptualized and developed a server hardware monitoring application to run with LTE Internet on a Raspberry Pi.
- Construction, setup, and deployment, and backup of various hardware and software to users.
- Assisted in making sure network security protocols were followed to protect against malware.
- Oversaw company wide migration to Windows 10, as well as workarounds/troubleshooting of resulting legacy software problems.
- Safe disposal of hardware containing sensitive company information.

2014 Sales Associate | Best Buy

2011-2012 Student Volunteer | Families and Schools Together

Projects

- Self-Deployable Discord Music Bot
 - Plays from a local library of music
 - Simple to set up and host
 - Scalable to many concurrent instances
 - Additional live audio editing and volume control
- Simple Neural Network to predict genre of a music file
- Visually similar image matching tool
- Workflow automation and custom backup scripting
 - Including using APIs to backup online content
 - Conversion of proprietary binary files to SQL databases to reduce backup size by only keeping essential files