David M. Evans II

Software Engineer – Chicago, IL

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Education

Concordia University Chicago
Bachelor of Science, Computer Science   *December 2018*

Experience

Dovenmuehle
Software Engineer   *Sept 2021 - Present*
- Developed and maintained data parsers and pipelines in Python and Java

Amdocs
Software Engineer   *August 2020 - Sept 2021*
- Developed and maintained back-end services and applications, mainly using Java
- Designed and developed machine learning models for data predictions using Python
- Wrote scripts for facilitating data processing in Bash, Python, and PL/SQL

Ronin Capital
Software Engineer   *April 2019 - April 2020*
- Maintained and developed software for Ronin's trading platform
- Worked mainly with C++, SQL, Perl and Python in a Linux environment
- Built applications that facilitated the processing and manipulation of financial information
- Worked with networking (TCP, UDP, Multicast) code in C++

Projects

dme2.dev   *2020*
- My personal website built using the Hakyll static site generator
- Hosted on a VPS with nginx

Pitch Tracker   *2020*
- Tracks the pitch of a signal using the MPM pitch detection algorithm.
- Uses several C++ libraries for audio buffering and digital signal processing.

PyPitch   *2018*
- PyPitch is a "smart" musical instrument tuner which recognizes the individual notes of a chord in real-time with up to 95% accuracy and displays the musical information to the user
- PyPitch was written in Python and uses the Tensorflow and Numpy libraries
- A neural network was trained on 400+ pieces of recorded musical data in order to perform the chord predictions

Skills

Languages: C++, C, Python, SQL, Java, Perl, Bash

Tools/OS: Linux, macOS, Windows, Terminals, Vim, Emacs, Visual Studio, Version Control