David M. Evans II

Software Engineer – Chicago, IL

📱 708-646-8187 • ✉ dme2223@gmail.com • 🌐 dme2.dev

Education

Concordia University Chicago

Bachelor of Science, Computer Science   *December 2018*

Experience

Amdocs

Software Engineer   *August 2020 - Present*

- Develop and maintain back-end services and applications, mainly using Java
- Design and develop machine learning models for data predictions using Python
- Write scripts for facilitating data processing in Bash,Python and PL/SQL

Ronin Capital

Software Developer   *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

Projects

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

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.

Skills

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

Tools/OS: GNU/Linux, macOS, Windows, Bash/Shell/Terminal, Xcode, Vim, Emacs, Visual Studio, git/Github

General: OOP, DB, Networking, Functional Programming