

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

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.

Scientific Computing Group

Mentor

January 2018 - May 2018

- Instructed a group of students in the Natural Sciences department on the topic of scientific computing with Python.
- Specific Python libraries covered include: numpy, matplotlib and scipy.

Academic Center for Excellence

Peer Tutor

2017 - 2018

- Tutored peers on concepts of computer science - including: data structures, algorithms, and object-oriented programming.

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.

Linear Algebra Library

2019

- A set of classes and functions written in C++ that allow the user to perform linear algebra operations.
- The functions implemented are similar to those found in computer graphics libraries.

dme2.dev

2020

- My personal website built using the Hekyll static site generator.
- Hosted on a VPS with nginx.

Skills

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

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

General: OOP, Relational Databases, Networking, Scripting, Functional Programming