

# David M. Evans II

Software Engineer – Chicago, IL

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## Education

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### Concordia University Chicago

Bachelor of Science, Computer Science

December 2018

## Experience

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### 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 computer science concepts which include: data structures, algorithms, and object-oriented programming

## Projects

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### 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

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**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