

Michael Cuevas

macuevas22@gmail.com | mcuevas.org/linkedin
(815) 883-4297

EDUCATION

Northwestern University | Evanston, Illinois

Bachelor of Science | Computer Science

Anticipated June 2021

Cumulative GPA | 3.67 out of 4.00

Honors | Dean's List, McCormick School of Engineering – 2 Quarters

Coursework | Intro to Computer Systems, Data Structures and Data Management, Intro to Databases, Machine Perception of Music, Mathematical Foundations of Computer Science, and Kernel and Other Low-level Software Development

SKILLS

- Working knowledge of C, C++, Assembly, Python, SQL, JavaScript, Perl, and MATLAB
- Proficient in utilizing Vim, GDB, QEMU, SQL*Plus, Git, LaTeX, and Visual Studios

WORK EXPERIENCE

Northwestern University | Evanston, Illinois

AccessibleNU Administrative Aide

Oct. 2018-Present

- Manage email and phone communication for our office which has 1200 current, registered students
- Prepare, proctor, and document up to 60 exams per day for students registered with our office
- Developed a Chrome extension that simplifies tracking end times of exams that we administer
- Designed additional Chrome extension feature which resulted in a 90% efficiency improvement in a daily task

Northwestern University | Evanston, Illinois

Summer Research Assistant

June 2019-Sept. 2019

- Designed and developed a variation of fibers (lightweight threads) for the Nautilus Aerokernel that can perform context switches in approximately 450 clock cycles
- Modified the kernel to support fibers when they are enabled in the kernel configuration
- Added AVX512f and Intel XSAVE/XRSTOR support to the kernel by updating the kernel's floating-point unit initialization process
- Created a fiber interface that allows users to easily create, run, and test fibers

Northwestern University | Evanston, Illinois

Hodge EXCEL Program Head Counselor

Apr. 2019-Aug. 2019

- Supervised a staff of 5 counselors and oversaw a group of 19 incoming freshman students
- Organized weekly events and ensured the events proceeded as planned
- Provided updates to the director of the program about the students' needs, issues, and developments

COURSE PROJECTS

Machine Perception of Music | Evanston, Illinois

Jan. 2019 – Mar. 2019

Project: Automatic Roman Numeral Analysis of Block Piano Chords

- Combined several methods of labeling audio input to formulate a new technique for chord recognition
- Developed a Python script that labels block piano chord progressions from .WAV input files
- Utilized a DigitalOcean Droplet, Flask, and Nginx to create a web application that allows users to upload .WAV files and displays the analysis Python script's output