

NICHOLAS DAVID

✉ nicholasdavid2019@u.northwestern.edu

EDUCATION

Northwestern University, Evanston

B.S. Computer Science and Economics 2019

North Shore Country Day, Winnetka, IL

2015

President of Economics Club

SKILLS

PROGRAMING LANGUAGES: C, C++, C#, HTML, CSS, JavaScript, MatLab, Python

DATA ANALYTICS: Excel, Kibana, Stata

EMPLOYMENT

Motorola Solutions

Chicago, IL

Data Engineering Intern

Jun 2017 to Sep 2017

- Compared open source solutions with commercial ones to determine most cost efficient and successful method
- Analyzed results of algorithms using Kibana to determine causes of errors
- Modified open source algorithm to increase speed by 2x and improve accuracy by 35%

Center for Connected Learning

Northwestern University,
Evanston, IL

Program Coordinator

Jun 2016 to Sep 2016

- Worked as Program Coordinator in a research lab that develops the NetLogo software
- Edited website, managed listservs, and coordinated lab logistics

PROJECTS

Music Genre Identification-WhatGenre.me

- Used audio analysis and machine learning algorithms to identify genre from an inputted audio file.
- Final algorithm successfully identified genre at success rate of 57%

Design Thinking and Communication 2

- Consulted on solutions to pedestrian foot traffic issues for transition to new building of GCE Lab School of Chicago.
- Researched various methods for simulating pedestrian foot traffic.
- Presented final concept that was implemented by school.

ACTIVITIES

Wildside · Executive Board-Treasurer

Sep 2015 to Current

- Handles budget for Northwestern's Student Section for Athletics
- Planned events to strength student enthusiasm for athletic events