

Graham Grieb

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EDUCATION

Northwestern University | Evanston, IL

Expected June 2023

Bachelor of Science and Master of Science in Computer Science

- Pursuing both degrees concurrently in the combined BS/MS program
- Cumulative GPA: 4.0/4.0; High Honors all quarters
- Relevant coursework: Web Development, Machine Learning, Networking, Operating Systems, Computer Systems, Computer Engineering, Computer Security, AI, and Public Speaking

University of New Orleans (Dual Enrollment) | New Orleans, LA

Fall 2016-Spring 2018

- Cumulative GPA: 4.0/4.0
- Took CS college courses after high school hours
- Relevant coursework: Mobile Development, Data Structures, Analysis of Algorithms, Computer Graphics, Software Development

PROJECTS

Caesar+ | Chrome/Firefox Extension

Summer 2021

- Created browser extension for Northwestern Class Registration programmed in JavaScript
- Maintains an active userbase of 210 users
- Unofficial project for Northwestern students that adds QoL features to class registration website. Features include search bookmarking, displaying more class info, and opening classes in new tabs. Implemented HTML injection, XML parsing, and the web extension API.
- <https://github.com/grahamgrieb/caesarplus>

Information Retrieval based Question Answering System

Fall 2021

- Programmed in Python
- Utilized machine learning algorithms to answer inputted questions using a Wikipedia database. Program takes in a query, finds the most related passage in the database using term frequency, and then passes the question and passage to a pre-trained transformer that responds with most likely answer from the passage.
- Programmed to run on Northwestern cluster GPU servers
- <https://github.com/grahamgrieb/ir-based-qa>

What The Truck | Android App

Fall 2018

- Programmed in Java using Android SDK and Maps API
- Project for locating New Orleans food trucks
- Collaborated with group of four to develop app that tracks mock food trucks and display menus. Designed a simple to use but visually appealing UI.
- https://gitlab.cs.uno.edu/gmgrieb/What_The_Truck.git

SKILLS

- Programming Languages: Python, C, C++, Java, JavaScript
- Assembly Languages: x86-64, ARM
- Other: Git, HTML, CSS, NumPy, ReactJS, SQL

VOLUNTEER EXPERIENCE

Breakthrough New Orleans | *Volunteer*

Summer 2018

- Summer academic enrichment program for under-resourced middle school students
- Taught basic CS concepts in Scratch to students with no previous CS experience
- Fostered a positive learning environment for a culturally diverse population of students through one-on-one assistance and constructive feedback

Society for the Prevention of Cruelty to Animals (LASPCA) | *Volunteer*

January 2018 - June 2019

- Managed daily care and maintenance of animals
- Facilitated pet adoption with potential families in a client-facing role