# Bradley Alexander Pawlow

bradleypawlow2023@u.northwestern.edu
(773) 849-6527

## EDUCATION

**Northwestern University,** Evanston, Illinois
Bachelor's in *Computer Science* with minor in *Data Science*, anticipated June 2023
Cumulative GPA: **3.86/4.00**
*Honors:* Dean's List, Illinois State Scholar, Hispanic Recognition Program Scholar, Niles West Summa Cum Laude Graduate, DECA State of Illinois Top Ten Medal, National Honors Society, HS Varsity Baseball Captain
*Relevant Coursework:* Cognitive Modeling, Computer Programming I & II, Computer Systems, Data Science with R, Data Structures & Algorithms, Discrete Math, Financial Accounting, Linear Algebra, Multivariable Calculus, Statistics

## WORK EXPERIENCE

**InStore Inc.** **Evanston, Illinois**
*Software Development Intern* December 2020 – Present
- Develop features for live B2C ecommerce platform for over 15 small retail businesses
- Implement Python 3 code based on high level technical requirements and designed low level technical solution based on requirements documentation
- Research Square REST APIs, AWS APIs, and Instagram APIs while building ETL algorithm to work with its data
- Work with Git to collaborate code changes with team of Python developers and complete code review process

**Gladys R. Wilson & Associates** **Chicago, Illinois**
*Audit and IT Intern* July 2019 – December 2020
- Assisted with over 50 City of Chicago internal control and compliance audits
- Fixed technical problems and maintain technological efficiency within the workplace, especially during the transition to more online conferencing and services during the COVID-19 pandemic
- Analyzed the results of the compliance audits and verified that each organization met its annual budget

## LEADERSHIP EXPERIENCE

**Sigma Alpha Epsilon Fraternity (Illinois Psi-Omega Chapter)** **Evanston, Illinois**
*Secretary & Interim Rush/Social Chair* January 2020 – Present
- Lead weekly meetings discussing chapter governance and record important information addressed
- Facilitate philanthropy activities, networking, brotherhood events for 35+ members, and new member recruitment

## PROJECTS

**Personal Information & Interactive Website (HTML/CSS)** June 2020 – Present
- An interactive and information website of over 1000 lines of code that includes my interests, contact information, career goals, and some of my ongoing projects

**Fantasy Football Statistical Findings Over the Last 20 Years (R/RStudio)** September 2020 – Present
- Conducted an in-depth analysis on over 10,000 rows of data and over 30 statistical categories using data cleaning and transformation techniques, 2D visualization plots, linear modeling, and measures of average and spread
- Published a written executive summary report explaining my findings and its impact on fantasy football

**Interactive Drum Set Kit (JavaScript)** January 2021
- Designed an interactive website for musicians to practice playing 7 different drums with their computer keyboard

**Point of Interest Mapping Algorithm Design (DSSL2/Racket)** November 2020 – December 2020
- Designed a program to store POI data, generate nearby POIs, and search for a specific POIs given regional mapping
- Used a complex combination of stacks, weighted graphs, dictionaries, and priority queues ADTs to store large quantities of data as well utilized Dijkstra's algorithm and a heap sorting algorithm to maximize efficiency

**Beginner's Edition of *Sudoku* (C++)** May 2020 – August 2020
- Designed a 9x9 interactive Sudoku board with built-in hints and feedback on every inputted number including possible board conflictions and valid number choices
- Utilized C++ and learned important aspects of game development including model and user interface structures

## TECHNICAL STRENGTHS

*Technologies and Tools:* **Unix Operating Systems, Microsoft Office, iMovie, GarageBand, Adobe Photoshop**
*Programming Languages:* **C, C++, CSS, DSSL2, HTML, Java, JavaScript, Python, R & RStudio, Racket**