



BRANDON HERNANDEZ

Portfolio

Table of Contents

- **Education**

- DePaul University
- National Society of Collegiate Scholars

- **Skills**

- Amazon Web Services
- Database Architecture
- Database Management
- Frontend Web Development
- BASH & Git
- LAMP Server

- **Experience**

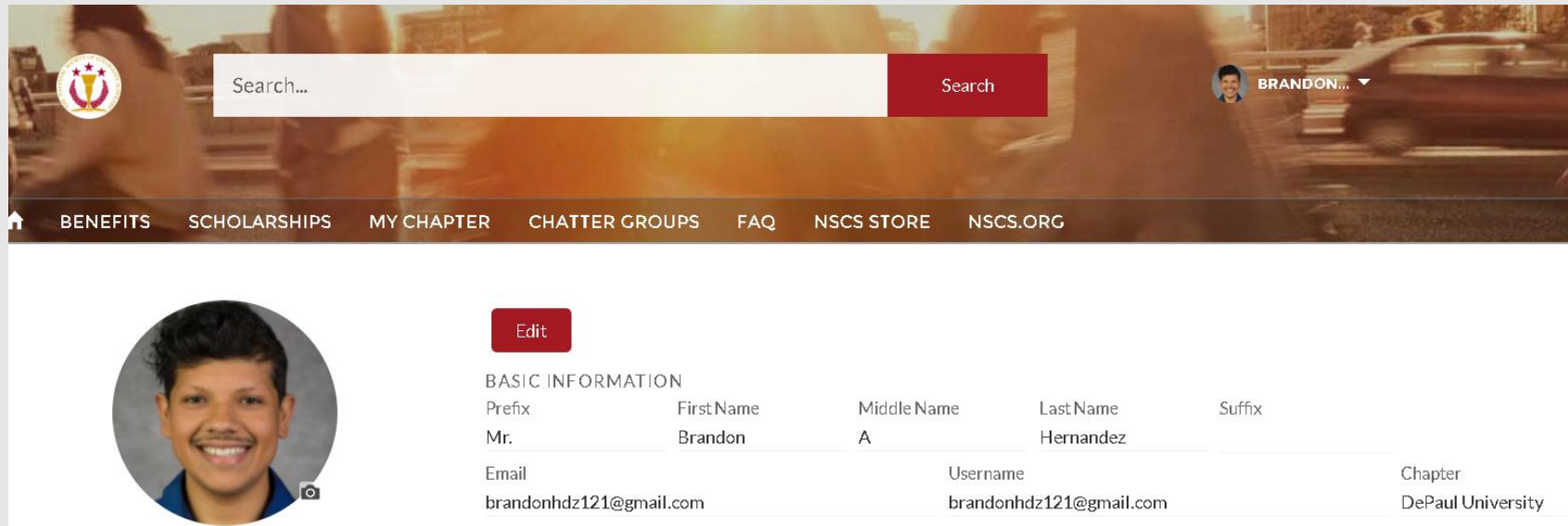
- Management
- Mentorship

DePaul University (Education)

- Majoring in Computer Science: Concentration in Software Development
- Minor in Sound Recording
- Expected graduation June 2020
- GPA 3.378

Cumulative GPA Details				×
Total Grade Points	/	Total Units Taken	=	GPA
500.000		148.000		3.378
Units Counted Towards GPA				
				From Enrollment
Taken				148.000
Passed				148.000

National Society of Collegiate Scholars (Education)



The screenshot shows the NSCS member profile page for Brandon Hernandez. At the top, there is a search bar and a navigation menu with links for BENEFITS, SCHOLARSHIPS, MY CHAPTER, CHATTER GROUPS, FAQ, NSCS STORE, and NSCS.ORG. The profile section includes a circular profile picture of Brandon Hernandez, an 'Edit' button, and a 'BASIC INFORMATION' section with the following details:

Prefix	First Name	Middle Name	Last Name	Suffix
Mr.	Brandon	A	Hernandez	

Email	Username	Chapter
brandonhdz121@gmail.com	brandonhdz121@gmail.com	DePaul University

- Inducted into the NSCS in September 2017 for academic success
- Attended various meetings that enhanced networking and tips for continued success as a leader and mentor

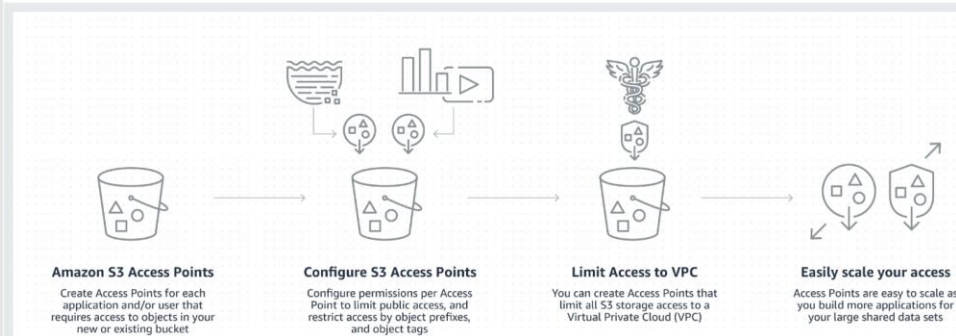


Amazon EC2

Secure and resizable compute capacity in the cloud. Launch applications when needed without upfront commitments.

Get started with Amazon EC2

How it works — S3 Access Points

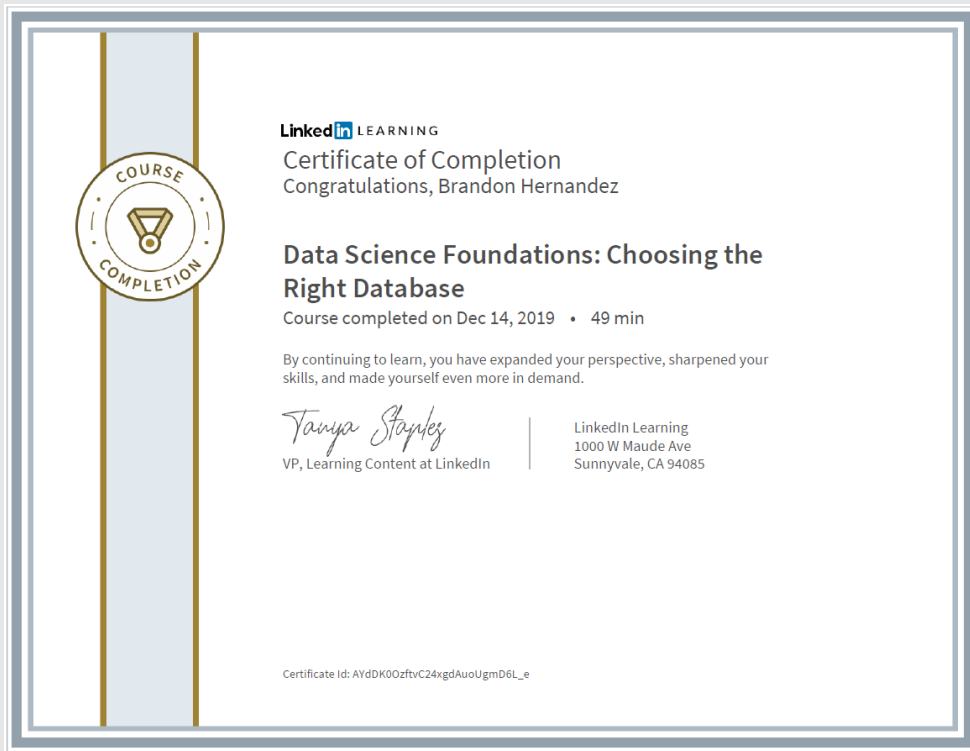


Amazon RDS database engines



- I have learned and used invaluable cloud computing services such as:
 - EC2
 - RDS (Postgres)
 - Lambda
 - DynamoDB
 - S3
 - Access/management with the Python AWS SDK: Boto3

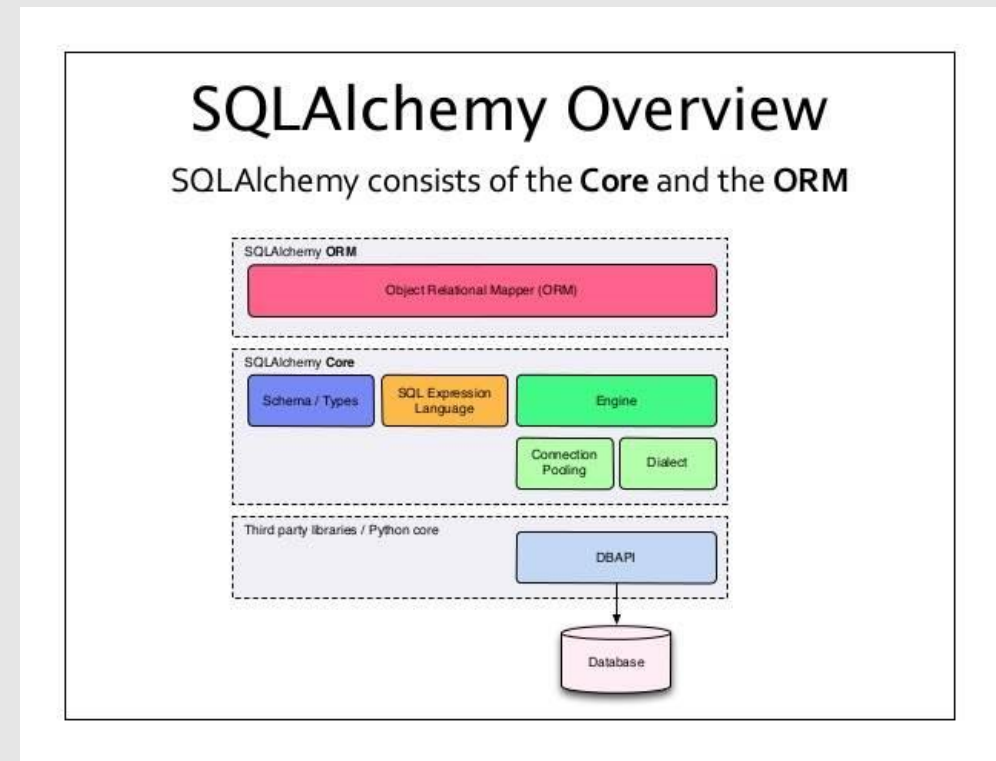
Database Architecture (Skills)



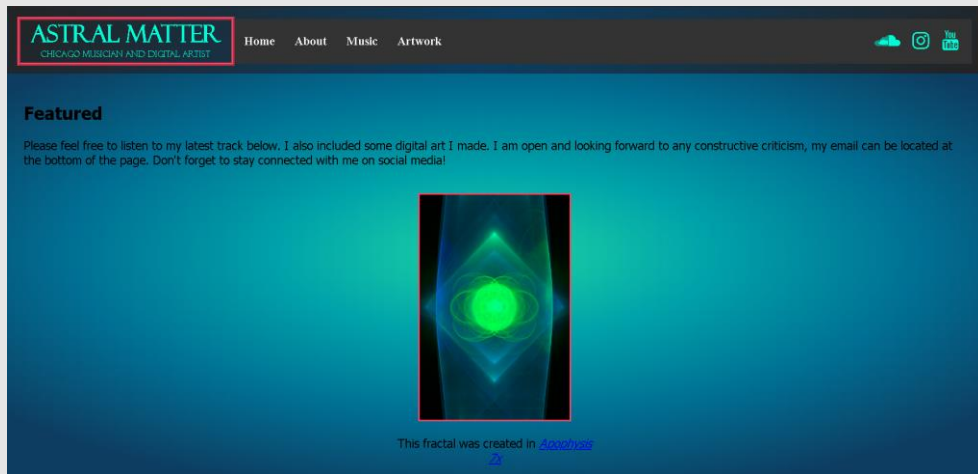
- Completed the Data Science Foundations Workshop in LinkedIn Learning where I was exposed to the various databases and use cases
 - SQL
 - NoSQL
 - Column Store
 - In Memory (Timeseries/Temporary Access)
 - ACID compliance

Database Management (Skills)

- I have had practice in designing large scale schemas
- Installing Postgres database on an AWS RDS system
- Setup triggers for logging
- Intuitive indexes and views for efficient queries
- Managing the Extract, Transfer, Load (ETL) of 'big data'
 - Utilized the SQLAlchemy ORM library in Python



Front End Web Development (Skills)

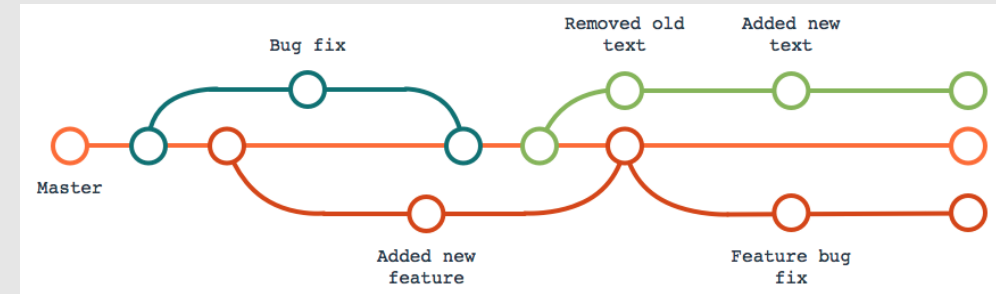


- Developed my own website to connect others to my music platform and social media
- Exposure and practice with HTML, CSS and JavaScript
- Source code can be found on my GitHub repository [here](#).
- Website can be viewed [here](#).

BASH & Git (Skills)

BASH

- Learned various useful commands and applications to enhance programming:
 - HTOP
 - VIM
 - Python VENV
 - File analytics/usage (GREP, CMP, etc)
 - 'pipe' & rerouting



Git

- Familiarized myself with the git workflow to work on project code
- Creating repositories:
 - README.md files
 - Requirements.txt
 - Proper code documentation
- Cloning Repositories
- Working on a separate branch

Management at Information Services, DePaul University (Experience)



IN CHARGE OF VARIOUS IT
SOLUTIONS TO STAFF AND FACULTY
ACROSS CAMPUS



TRAINED NEW HIRES TO BE
EFFICIENT, RESPECTFUL AND
KNOWLEDGEABLE



MANAGED AND ASSIGNED
COWORKERS TASKS TO BE
COMPLETED IN A TIMELY MANNER

Mentorship at FYAS, DePaul University

(Experience)



PRE-CALC TUTOR FOR
INCOMING FRESHMAN



ALLOWED FOR QUESTIONS AND
CLEARED UP ANY CONFUSING
TOPICS STEP BY STEP



MENTORED STUDENTS TO SET
GOALS AND BECOME
CONFIDENT IN THEIR CAREER