

# Audrey Jo

jo.au@northeastern.edu | Billerica, MA  
<https://www.linkedin.com/in/audreyjo35/> | <https://audrey35.github.io/>

## EDUCATION

<b>Northeastern University</b> , Boston, MA	January, 2020 – December, 2021
Candidate for a <b>Master of Science in Computer Science - ALIGN</b> , GPA: 3.8/4.0	
Object-Oriented Design Course	January, 2020 – April, 2020
<ul style="list-style-type: none"><li>Used design patterns and MVC pattern to develop an animator using Java with a partner</li></ul>	
Algorithms and Computer Systems Course	May, 2020 – August, 2020
<ul style="list-style-type: none"><li>Learned and practiced working with threads, locking and unlocking memory</li></ul>	
<b>California State University, Long Beach</b>	January, 2014 – January, 2016
<b>Master of Arts in Geography</b>	
<b>University of North Carolina, Chapel Hill</b>	August, 2010 – December, 2013
<b>Bachelor of Arts in Geography</b>	

## PROJECTS

<b>Degree Requirements Web App</b> , Northeastern University	July, 2020 - Present
<ul style="list-style-type: none"><li>Built a degree requirements web app to assist course planning for Northeastern students</li><li>Recruited a fellow student to help design and implement the front-end for the app</li><li>Developed the back-end component of the app</li></ul>	
<b>Conference Web App for amplification research study</b> , Northeastern University	July, 2020 – September, 2020
<ul style="list-style-type: none"><li>Collaborated with Dr. Adrienne Slaughter and a team of 4 to create a video conference web app for a remote study about the effect of amplification on allyship</li><li>Implemented the back-end architecture for the app using Spring Boot in Java and MySQL database</li></ul>	
<b>Shopper Data Generator with API</b> , Northeastern University	May, 2020 – August, 2020
<ul style="list-style-type: none"><li>Collaborated with a team of 3 to produce a data generator for producing mock shopper behavior data to predict shopper behavior given various conditions, such as store events and weather</li><li>Stored the generated shopper behavior data in a MongoDB database</li><li>Designed a REST API to access and query the shopper data using the flask and rest-plus modules in Python</li></ul>	
<b>Easy Animator</b> , Northeastern University	March, 2020 – April, 2020
<ul style="list-style-type: none"><li>Created an animator that converts a text file into an SVG file or plays an animation using Java and Swing</li></ul>	

## PROFESSIONAL EXPERIENCE

<b>GIS Analyst</b> , DCSE, Laguna Hills, CA	March, 2017 – April, 2019
<ul style="list-style-type: none"><li>Led a team of 3 to automate the process of adding data to the back-end server using command line, SQL, and Python, which resulted in a constantly up-to-date platform and increase in budget for the project</li><li>Designed an easy to access dashboard for managers to supplement the software for tracking fieldwork, which led to an increase in number of new customers showing interest in the software</li><li>Led multiple small, short-term teams to produce a series of demo products by learning new software, delegating work to developers and other GIS analysts for faster and high quality delivery</li></ul>	
<b>Graduate Research Assistant</b> , California State University, Long Beach	January, 2014 – October, 2015
<ul style="list-style-type: none"><li>Automated satellite imagery downloads and geospatial analyses using Python, giving more time to conduct a more robust and comprehensive research</li></ul>	
<b>Cartographic Research Assistant</b> , University of North Carolina, Chapel Hill	August, 2013 – December, 2013
<ul style="list-style-type: none"><li>Edited attribute information on the digitized maps of the Mediterranean from archaic Greece to the Late Roman Empire</li><li>Wrote a Python script to join multiple csv files to an attribute table of a shapefile (a file containing geographic information)</li></ul>	