

Audrey Jo

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Dates available for co-op: December 20, 2020 – June 20, 2021

EDUCATION

Northeastern University, Boston, MA

January, 2020 – December, 2021

Khoury College of Computer Sciences

Candidate for a **Master of Science in Computer Science**, GPA: 3.8/4.0

California State University, Long Beach

January, 2014 – January, 2016

Master of Arts in Geography

University of North Carolina, Chapel Hill

August, 2010 – December, 2013

Bachelor of Arts in Geography

PROJECTS

Degree Requirements Web App, Northeastern University

July, 2020 - Present

- Built a degree requirements web app to assist course planning for Northeastern students
- Recruited a fellow student to help design and implement the front-end for the app
- Developed the back-end component of the app

Conference Web App for amplification research study, Northeastern University

July, 2020 - Present

- 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
- Implemented the back-end architecture for the app using Spring Boot in Java and MySQL database

Shopper Data Generator with API, Northeastern University

May, 2020 – August, 2020

- 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
- Stored the generated shopper behavior data in a MongoDB database
- Designed a REST API to access and query the shopper data using the flask and rest-plus modules in Python

Easy Animator, Northeastern University

March, 2020 – April, 2020

- Created an animator that converts a text file into an SVG file or plays an animation using Java and the Swing library in Java

TECHNICAL KNOWLEDGE AND SKILLS

Programming Languages: Python, Java

Databases: MySQL, MongoDB

PROFESSIONAL EXPERIENCE

GIS Analyst, DCSE, Laguna Hills, CA

March, 2017 – April, 2019

- 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
- 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
- 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

Graduate Research Assistant, California State University, Long Beach

January, 2014 – October, 2015

- Automated satellite imagery downloads and geospatial analyses using Python, giving more time to conduct a more robust and comprehensive research

Cartographic Research Assistant, University of North Carolina, Chapel Hill

August, 2013 – December, 2013

- Edited attribute information on the digitized maps of the Mediterranean from archaic Greece to the Late Roman Empire
- Wrote a Python script to join multiple csv files to an attribute table of a shapefile (a file containing geographic information)