Audrey Jo

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Available to start immediately

EDUCATION

Northeastern University, *Boston, MA*   January 2020 – August 2022
   Master of Science in Computer Science, GPA: 3.8/4.0
California State University, *Long Beach, CA*   January 2014 – January 2016
   Master of Arts in Geography
University of North Carolina, *Chapel Hill, NC*   August 2010 – December 2013
   Bachelor of Arts in Geography

PROJECTS

Hello Leafy Android app, *Northeastern University*   January 2022 – April 2022
- Developed an Android mobile app with 3 other students to provide a place for people to share their love of green
- Used Java, Cloud Firestore, Cloud Storage to develop the back end

Plant Care Website, *Northeastern University*   September 2021 – December 2021
- Made a MERN website for beginners at raising plants who want reliable, non-conflicting advice on raising plants
- Constructed a forum and a search tool for getting general plant information from a public API

Jeopardy API, *Northeastern University*   September 2021 – December 2021
- Turned jeopardy data in JSON format into an API with data stored in MongoDB Atlas
- Generated documentation for the API using Swagger UI

Picture of the Day from NASA website, *Northeastern University*   September 2021 – December 2021
- Built a website using an API from NASA for getting picture of the day for a given date
- Developed the website using Node.js and Express.js

Conference Web App for amplification research study, *Northeastern University*   July 2020 – September 2020
- Collaborated with 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 an agile team of 3 to develop a data generator for producing mock shopper behavior data
- 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 Swing

TECHNICAL KNOWLEDGE AND SKILLS

Skills: relational databases, SQL, web development, API development, mobile app development, distributed systems
Programming Languages: Python (6 years), Java (2 years), HTML, CSS, JS, Node.js, ReactJS, Android Java
Graduate Courses: Building Scalable Distributed Systems, Mobile Application Development, Web Development, Algorithms, Database Management Systems, Algorithms and Computer Systems, Object Oriented Design, Foundations of Software Engineering, Discrete and Data Structures

PROFESSIONAL EXPERIENCE

Geographic Information Systems (GIS) Analyst, *DCSE, Laguna Hills, CA*   March 2017 – April 2019
- Smart agriculture dashboard for reducing water consumption
   : Automated the process of adding data to the back-end server using command line, MySQL Server, and Python
- Website development for a 3D indoor view of an airport
- AR/VR mobile app for visualizing underground pipes
- Fieldwork management dashboard
   : designed a dashboard for managers to track fieldwork, which led to an increase in new customers showing interest in the software
   : worked in a collaborative Agile team and used agile software development tools such as Azure DevOps, Git and GitHub
- Indoor navigation app
   : 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 (NSF-funded), *California State University, Long Beach*   January 2014 – October 2015
- Edited bash and Python scripts that downloads satellite imagery, runs geospatial analyses and outputs burned area maps
- Analyzed burned area maps using datasets with different spatial and temporal resolutions
- Classifying burned areas in Landsat image using ENVI

OTHER EXPERIENCE 6 months of international travel to South Korea, Australia, France, and Iceland   April 2019 – October 2019