Jhinuk Barman

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Data Science Major
Computer Science Minor
Expected May 2020
Berkeley, CA

COURSEWORK

SOFTWARE

- Structure and Interpretation of Computer Programs
- Data Structures
- Foundations of Data Science
- Principles and Techniques of Data Science
- Probability for Data Science
- Algorithms (current)

SKILLS

PROGRAMMING

Experienced:
Python • Java
Familiar:
SQL • HTML • CSS • JavaScript/JQuery

TOOLS/APPLICATIONS

Git • Adobe Photoshop • Adobe Illustrator • Salesforce • Django • Amazon Web Services

LIBRARIES

NumPy • Pandas • MatPlotLib • Seaborn • ScikitLearn • SciPy

LINKS

Github: github.com/jhinukb
LinkedIn: linkedin.com/in/jhinukbarman
Personal Website: jhinukb.github.io

EXPERIENCE

COMPUTATIONAL BIOLOGY RESEARCH ASSISTANT

UC Berkeley Mofrad Lab
August 2018-Present | Berkeley, CA

- use microbiome genomic data to create computational models to analyze enzyme pathways
- create graphs of pathways of millions of microbiomes
- use Python, Jupyter Notebook, NumPy, Pandas

CURRICULUM DEVELOPER AND PEER CONSULTANT

UC Berkeley Division of Data Sciences
August 2018-Present | Berkeley, CA

- create questions for lab and homeworks for data science related courses
- collaboratively improve current question modules
- use Python, Jupyter Notebook, NumPy, Pandas, Scikit-learn, statistics

FULL-STACK WEB DEVELOPMENT INTERN

Koniku
June-August 2018 | Berkeley, CA

- built/designed backend and frontend of form-based web application
- used Django and deployed Python project to Amazon Web Services
- used Python, Django, Amazon Web Services, HTML, CSS, JavaScript, PostgreSQL

DATA INTEGRATION SPECIALIST INTERN

Montclair Village Association
June-August 2018 | Oakland, CA

- Data Entry and Data Cleaning: imported CSV files into Pandas Library to perform functions such as sorting, filtering and grouping
- upserted data into Salesforce using Jitterbit
- used Salesforce, Jitterbit, Jupyter Notebook, Pandas, EventBrite

PROJECTS

STUDYBEARS

CalHacks/HackDavis Team | October 2017-present

- Implemented front-end and back-end of web application that uses algorithm to match students together based on a preference list
- Used Google Sign In API to connect to Google account
- Back-end: Django, Python; Front-end: HTML, CSS, JavaScript, JQuery

DATABASE

Data Structures Course | February-March 2017

- implemented back-end of relational database and domain specific language similar to SQL that user can interact with
- used object-oriented programming to build correct classes to carry out functions such as joining tables
- Written in Java