

Jhinuk Barman

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

DATA SCIENCE

Expected May 2020

Berkeley, CA

COURSEWORK

SOFTWARE

- Data Structures
- Principles and Techniques of Data Science
- Probability for Data Science
- Algorithms
- Artificial Intelligence (Current)

SKILLS

PROGRAMMING

Experienced:

Python • Java

Familiar:

SQL • HTML • CSS • JavaScript/JQuery

TOOLS/APPLICATIONS

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

LIBRARIES

NumPy • Pandas • Matplotlib • Seaborn
• ScikitLearn • SciPy

LINKS

Github: github.com/jhinukb

LinkedIn: [linkedin.com/in/jhinukbarman](https://www.linkedin.com/in/jhinukbarman)

Personal Website: jhinukb.github.io

AFFILIATIONS

• AFX Dance Outreach - Graphic Design Position and Dancer • Society of Women Engineers - Graphic Design and Web Development

EXPERIENCE

CURRICULUM DEVELOPMENT INTERN AND PEER ADVISOR

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

COMPUTATIONAL BIOLOGY RESEARCH ASSISTANT

UC BERKELEY MOLECULAR CELL BIOMECHANICS LAB (MOFRAD LAB)

August-December 2018 | Berkeley, CA

- use microbiome genomic data to create computational models to analyze enzyme pathways
- quality trimming reads for pair-end Illumina DNA sequences
- use Python, Jupyter Notebook, NumPy, Pandas, Trimmomatic

FULL-STACK WEB DEVELOPMENT INTERN

KONIKU (NEUROTECHNOLOGY COMPANY)

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 - STUDY GROUP WEB APPLICATION

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