

Jhinuk Barman

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

DATA SCIENCE

Expected December 2019
Berkeley, CA

COURSEWORK

SOFTWARE

- Data Structures
- Principles of Data Science
- Probability
- Algorithms
- Artificial Intelligence
- Machine Learning (current)

SKILLS

PROGRAMMING

Experienced:

Python • Java

Familiar:

SQL • R • HTML • CSS • JavaScript

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

LEADERSHIP

• Director of Internal Communications for Student Government • Golden Bear Orientation Leader • AFX Dance Board Member

EXPERIENCE

SOFTWARE ENGINEERING INTERN

LIVELO (BICYCLE RENTAL COMPANY)

June-August 2019 | Sydney, Australia

- designed unit test cases with Mocha/Chai on front-end of Node.js application for real-time website developments
- computed Shopify transaction data costs in Google Spreadsheet to share with global business partners
- maintained Google Firebase database with 20+ cities

RESEARCH DATA ANALYST

DATA SCIENCE SOCIETY AT BERKELEY

January 2019 - present | Berkeley, CA

- evaluate global NBA sports betting market data with over 7 million lines and built financial predictive models for an external client
- build predictive models using regression analysis and machine learning techniques with the goal of maximizing profit for bettors
- co-wrote 40 page professional research paper on findings

DATA ENGINEER

UC BERKELEY DIVISION OF DATA SCIENCES

August 2018-Present | Berkeley, CA

- design, build, and integrate data sets for teaching that raise questions on human contexts and ethics of data, and reflect underrepresented backgrounds
- collect, clean, and perform exploratory data analysis on datasets
- work with faculty to incorporate new data sets into core data science courses for 1000+ students

FULL-STACK WEB DEVELOPMENT INTERN

KONIKU (NEUROTECHNOLOGY COMPANY)

June-August 2018 | Berkeley, CA

- designed and built backend and frontend of form-based web application
- consolidated internal meeting data which predicts budgets to reduce future budget costs
- used Python, Django, Amazon Web Services, HTML, JavaScript, PostgreSQL

PROJECTS

STUDYBEARS - STUDY GROUP WEB APPLICATION

CalHacks/HackDavis Team | October 2017-present

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

MACHINE LEARNING PROJECT

Artificial Intelligence Course | April 2019

- designed binary perceptron model using Python
- developed regression, handwritten digit classification and language identification models using multi-layered neural networks
- tuned hyperparameters such as learning rate to achieve greater accuracy in the validation and test set