Samantha Yuhan

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EDUCATION

UC BERKELEY
Data Science
May 2021 | Berkeley, CA
GPA: 3.5

LINKS

Facebook:// **sammmmmn**
Github:// **samyuhan**
LinkedIn:// **samanthayuhan**

COURSEWORK

UNDERGRADUATE
Principles and Techniques of Data Science
Linear Algebra
Designing Information Devices and
Systems I
Data Structures
Program Structures
Foundations of Data Science
Calculus

SKILLS

PROGRAMMING
Python • Java • Javascript
SQL • HTML • CSS • JavaScript
Tableau • Pandas • Jupyter Notebook
Excel • Scheme

EXPERIENCE

MOBILITYWARE | Software Engineer/Data Analytics Intern
June 2018 - Aug 2018 | Irvine, CA
- Built ETL (Extract, Transform, Load) processes using SQL and SSIS (SQL Server) to transform granular data into organized data structures.
- Implemented a model output process in Python to feed data into the NLP model responsible for classifying user inputs and parsing through advertisement data, allowing for 70 percent increase in model efficiency.
- Combined the model outputs and player advertisement interaction data to create a player to genre relational table, helping the company distinguish advertisement patterns and revise their marketing strategy to increase click-through rate.

UC BERKELEY DIVISION OF DATA SCIENCES | Curriculum Developer
Aug 2018 – Present | Berkeley, CA
- Worked closely with UC Berkeley faculty to design open-source materials for lectures, labs, and homework and taught students face-to-face in classrooms and office hours.
- Developed curriculum materials (homework, labs, lectures) in Jupyter notebooks to implement data science principles, specifically for Introduction to Human Physiology.

OPPORTUNITY THROUGH DATA | Development Board Member
Sept 2018 – Present | Berkeley, CA
- Taught women in minimum security prisons technical skills to prepare them for data science careers, thus reducing recidivism. Piloting our program at the Federal Correctional Institution Dublin.
- Designed a 12 week data science education program as well as assignments to teach Python and statistics.
- Reached out to partner with stakeholders to set up professional development workshops and mentorship.

EXTRACURRICULAR

UNDERGRADUATE LABORATORY AT BERKELEY |
Undergraduate Researcher for Advanced Technologies Group
Sept 2018 – Present | Berkeley, CA
- Applied electroencephalography to analyze occipital lobe activation and used machine learning model development with matplotlib, numpy, and scikit-learn.
- Built web pages for data visualization (web development with Mindful Project).
- Found correlations between data columns and displayed results on a webpage using Flask and Learn.

INNOVATIVE DESIGN | Graphic Design Team Member
Sept 2018 – Present | Berkeley, CA
- Provide pro-bono designs for flyers, banners, logos, websites, and more for organizations to support the student and local community. (Design using Adobe Illustrator and Photoshop)