

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

INTERESTS

Drawing/Painting

Graphic Design

Netflix

Shopping

Reading

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)