Patrick Fabila

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EDUCATION

University of California, Davis   June 2021
Bachelor of Science in Computer Science

Relevant Coursework: Software & Object-Oriented Programming, Data Structures & Algorithms, Algorithm Design & Analysis, Web Programming, Computational Linguistics, Business Writing, Applied Statistics, Data Analytics

PROJECTS:

Customer Segmentation & EDA for Automobile Sales
- Utilized MS SQL to write clustering algorithms with RFM analysis in order to predict the purchasing behavior of customers in the future and improve ROI
- Employed statistical methods, data mining, machine learning techniques to solve rigorous business problems
- Built custom trend analysis dashboards using Tableau providing different KPIs and insights

Exploratory Data Analysis for COVID-19
- Utilized NumPy and Pandas libraries in Python to explore CSV data sets including confirmed cases, cures, and deaths to analyze the recovery and mortality rate and the amount of active cases there were in each state
- Built visualizations using Matplotlib and Seaborn to showcase the growth trend on spikes in active cases; show relationships between vaccination rates and the mortality rates in different states

EXPERIENCE

Davis Computer Science Club   September 2019 - June 2021
Director of Operations   *Davis, CA*
- Worked with a 10 person team supporting internal logistics such as marketing, apparel/website design, financial balancing, and technology for the club website
- Facilitated career preparation workshops focused on networking students with companies & improving skills such as problem solving, programming languages, data analysis
- Increased CS Department merchandise sales by over 50% by increasing customer interaction and incentives; analyzed Excel data entry sheets by comparing previous outreach and sale margins
- Managed Bit-Byte Mentorship Program & taught seminar of 30+ students the basics of HTML, CSS, Javascript

#include at Davis   September 2020 - December 2020
Front-End Developer   *Davis, CA*
- Built a Front-End Application for the UC Davis Autism & Neurodiversity Community implementing ReactJS
- Collaborated with UI designers and Product Managers weekly to create a website from end-to-end allowing users to communicate with club members, get peer support, and find mental health/financial aid resources

SKILLS
- Technical Skills: Python, SQL, Tableau, Data Analysis/Visualization, Data Mining, R, Web Development, C++, Databases, Microsoft Office (Excel, Powerpoint), Adobe Creative Cloud
- Other: Spanish, Communication, Teamwork, Collaboration, Adaptability, Detail-Oriented, Customer Service