

# Patrick Fabila

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## EDUCATION

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**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

## EXPERIENCE

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**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
- Lead and facilitated career preparation workshops focused on networking students with companies & improving soft/hard skills such as problem solving, programming languages, data analysis
- Increased CS Department merchandise sales by over 50% by increasing customer interaction via social media and flyers; analyzed Excel data entry sheets by comparing previous outreach and sale margins

**Bit Byte Mentorship Program**

March 2019 - June 2020

*Coordinator/Manager*

*Davis, CA*

- Facilitated data distribution channels between members, faculty, and companies to promote the sharing of opportunities and feedback
- Revamped the previous mentor-mentee program by building a virtual community on Slack & Facebook
- Taught a seminar of 30+ students the basics of web design using HTML, CSS, Javascript

**#include at Davis**

September 2020 - December 2020

*Front-End Developer*

*Davis, CA*

- Built a Front-End App for the UC Davis Autism & Neurodiversity Community implementing Reactjs
- Worked with UI designers and Product Managers to create a website from end-to-end that allowed users to communicate with club members, get peer support, and find mental health/financial aid resources

## PROJECTS: [Link](#)

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**Exploratory Data Analysis for COVID-19 in India: [Link](#)**

- Used 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

## SKILLS & ACTIVITIES

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- Technical Skills: Python, SQL, Tableau, R, Web Development, C/C++, MS Office (Excel, Powerpoint), Adobe Creative Cloud, Data Analysis/Visualization (NumPy, Pandas, Seaborn, Matplotlib)
- Other: Proficient in Spanish, Excellent Communication, Fil-Am Club, Basketball, Music, Video games