

ROHAN ROBINSON

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www.linkedin.com/in/rohan-robinson

EDUCATION

Dartmouth College, Hanover, NH

Sept. 2017 - June 2021

Bachelor of Arts, Major in Computer Science

Major GPA: 3.5

Computer Science Coursework: *Data Structures, Linear Programming, Machine Learning, Discrete Math, Algorithms*

Data Science for Health, Security & Privacy, Human-Computer Interaction, Data Mining and Knowledge Discovery

RELEVANT PROJECTS

Automated Basketball Court Check

- Programmed a website to display availability of basketball courts at Dartmouth's gym that updated daily as a resource for the recreational basketball community of over 200 students on campus.
- Created the site with HTML/CSS and JavaScript

Healthcare Provider Patient Management Application

- Designed and developed a proof-of-concept tool for a healthcare provider to view, edit, and share patient information in a standard format through an easy to understand interface
- Wrote backend code and API in NodeJS within the Express framework connected to the frontend assembled with the Bootstrap CSS framework

Malignant Cancer Identifying Perceptron

- Implemented a multi-layer perceptron that classifies cells from a Kaggle dataset as Benign or Malignant with 98.7% accuracy.
- Used NumPy and Pandas Python libraries to gather and clean the data in addition to building and testing the model

Risk Factor Assessment Model for COVID-19 Infection and Mortality

- Built linear regression models using COVID-19 infection and mortality data in order to predict how cases would spread based on certain risk factors in the United States.
- Implemented the models and related analysis w/ Python along with Numpy, Pandas, and Google Collab Notebooks

RELEVANT EXPERIENCE

Digital Applied Learning and Innovation Lab (DALI), Hanover, NH

June 2020 - Aug. 2020

Software Engineering Intern

- Built customizable data collection software to be used in a clinical study serving 40+ patients with mental illness across 5 hospitals in New England area
- Utilized React and Redux on front-end to make user interface based on Figma documents compiled by the Design team
- Stored patient information with HIPAA-compliance in Firebase database
- Leveraged knowledge in Git, HTML/CSS, JavaScript, React, Redux, Google Firebase

Digital Applied Learning and Innovation Lab (DALI), Hanover, NH

Jan. 2020 - March 2020

Software Engineering Intern

- Created a new term scheduling software for 4000+ Dartmouth students integrated into the campus wide web application
- Developed logistics for schedule selection-based college-designated requirements, and error-handling functionality to prevent mis-completed schedules from being sent to the Campus Registrar
- Presented progress and iterated based on weekly feedback from Dartmouth's Information Technology team
- Leveraged knowledge in Git, HTML/CSS, JavaScript, React, debugged with Chrome Developer Tools

ChampionX Digital, Houston, TX

June 2018 - Aug. 2018

Product Management Intern

- Created and delivered weekly presentations to educate 10+ salespeople on technical details of new chemical injection pump (CIP) products
- Designed and developed 2 product info pages for CIP offerings using HTML/CSS and Photoshop
- Automated analysis for sales of current and past CIPs with Python scripts connected to an Oracle dashboard which saved the Accounting department 8 hours per week from manual Excel tasks

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SKILLS AND INTERESTS

Software/Technologies (*proficient*): Python, JavaScript, Git, HTML/CSS, ReactJS, NumPy/Pandas,

Software/Technologies (*familiar*): Redux, Java, NodeJS, Express, MATLAB, Firebase

Interests: Zeta Psi Fraternity, Podcasts, Campus Newspaper, Basketball, Poker, Guitar

Languages: English, Spanish