



Nareg Megan

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Education

UNIVERSITY OF CALIFORNIA, BERKELEY | COMPUTER SCIENCE AND APPLIED MATH | AUGUST 2018 - MAY 2022

Relevant courses: Structure/Interpretation of Computer Programs, Data Structures, Discrete Math and Probability, Integrative Biology, Multivariable Calculus, Chemistry. (GPA: 3.38 / 4.00)

MIDDLETON HIGH SCHOOL | HIGH SCHOOL DEGREE | SEPTEMBER 2014 - MAY 2018

Relevant courses: AP: Computer Science, Calc AB/BC, Chemistry, Physics (UW-Madison Dual-Enrollment: CS 300, CS 400; Java, algorithms, data structures). (GPA: 3.92 / 4.00)

Experience

WIPAC DATA ANALYST | MADISON, WI | JUNE 2017 - AUGUST 2017

The Wisconsin IceCube Particle Astrophysics Center (WIPAC) collects and analyzes neutrino data from the IceCube detector in the South Pole.

- Used Python and SQL to analyze to neutrino data and develop datasets of commonly misclassified neutrino events.
- Used Zooniverse platform to leverage human analysis of data.
- Used labeled data to improve classification algorithms.

ACADEMIC INTERN UC BERKELEY EECS | BERKELEY, CA | FEBRUARY 2019 - PRESENT

UC Berkeley EECS (Electrical Engineering and Computer Science) Computer Science 61A.

- Answer questions during lab and office hours.
- Resolve technical issues, both student and course specific.
- Conduct comprehension checks with students to verify their understanding.

Skills

Programming Languages: Python, Java, JavaScript, HTML, CSS, SQL, Scheme (Lisp), Swift

Libraries/Tools: Git, TensorFlow, Keras, NumPy, ReactJS, Processing, Pandas, BeautifulSoup4

Concepts/Algorithms: Deep Learning, RL, HMMs, SVMs, NLP, quant./qual. financial analysis

Leadership / Organizations

CAL LAUNCHPAD | BERKELEY, CA | FEBRUARY 2019 - PRESENT

Developer on Moorjani Lab Project

- We are working with Moorjani Lab to enhance ancestral genetics tracing with cutting edge machine learning algorithms.
- These algorithms could eventually allow us to more accurately trace diseases and understand adaptation.

OPEN SOURCE AT BERKELEY | BERKELEY, CA | FEBRUARY 2019 - PRESENT

Developer

- We work on brainstorming and developing open source libraries for UC Berkeley and the broader software community.

INVESTMENT CLUB | MADISON, WI | DECEMBER 2015 - MAY 2018

Co-Founder/Co-President

- Gathered initial members, entered club into competitions, contacted and talked to potential guest speakers from financial firms in the area.
- Gave presentations on topics from options trading to cryptocurrency.

Projects

ARTIFICIAL NEURAL NETWORK LIBRARY IN JAVA | REDDIT BASED CHATBOT | ATARI BREAKOUT RL BOT | STAR-DEFENSE IOS SPACE INVADERS VARIATION | DATA COLLECTOR (WEB SCRAPER FOR ML DATA) | RL TRADING BOT