NATHAN NAKAMITSU

Intended CS & Data Science double major at UC Berkeley interested in software engineering and ML. Google STEP (formerly Engineering Practicum) Intern.

CONTACT

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AWARDS

NATIONAL AP SCHOLAR
COLLEGEBOARD | JULY 2019

OUTSTANDING PERFORMANCE - AP ENGLISH LITERATURE
GUNN ENGLISH DPT | MAY 2019

OUTSTANDING PERFORMANCE - AP STATISTICS
GUNN MATHEMATICS DPT | MAY 2019

TOP ABSTRACT WINNER & PRESENTER
AIMED NORTH AMERICA | DEC 2018

- Awarded top abstract in decision support and hospital monitoring for research centered on diagnosing motor vehicle patients' injury site through waveform data (EKG, EEG, respiratory rate) with Convolutional Neural Network
- Presented ideas at national conference discussing AI's role in medicine in front of 1000+ physicians, data scientists, and CEOs

PRESIDENTIAL SERVICE AWARD (250+ HOURS)
GUNN HIGH SCHOOL | 2018

HIGH SCHOOL BASEBALL AWARDS

- Most Valuable Player (X2)
- Defensive Player of the Year
- First Team All-League (x3)
- All-League Honorable Mention

SKILLS

- Java, Python, HTML/CSS, JavaScript, Git, SQL, TensorFlow

RELEVANT COURSEWORK

- AP Chemistry - 5
- AP Computer Science - 5
- AP Physics C - Mechanics - 5
- AP Physics C - E&M - 4
- AP Psychology - 5
- AP Calculus BC - 5
- AP Macroeconomics - 5
- AP Microeconomics - 5
- AP Statistics - 5
- Functional Object-Oriented Prog.

- **CS 61A - The Structure and Interpretation of Computer Programs**
- **Data 8 - The Foundations of Data Science**
- **EECS 16A - Designing Information Devices and Systems I**
- **CS 61B - Data Structures**
- **EECS 16B - Designing Information Devices and Systems II**

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
BACHELORS DEGREE, COMPUTER SCIENCE + DATA SCIENCE | 2019-2023

GPA: 4.0/4.0
ACTIVITIES: Launchpad, Toppa@Berkeley, PASAE (Pilipinx Association of Scientists, Architects, and Engineers), Data Scholars

HENRY M. GUNN HIGH SCHOOL, PALO ALTO, CA
GENERAL EDUCATION | AUGUST 2015 - MAY 2019
GPA: 4.00/4.00
WEIGHTED GPA: 4.55
ACT: 35/36   **SAT MATH II:** 800   **SAT CHEMISTRY:** 800
ACTIVITIES: Varsity Baseball, Varsity Cross Country, Club Soccer, Gunn Data Science, United Computations, Youth Community Service, Spanish, National Spanish Honor Society

EXPERIENCE

GOOGLE
STEP INTERN | MAY 2020 - PRESENT
- GCloud Tech Infra 24x7 Site Reliability Engineering Team

LAWRENCE BERKELEY NATIONAL LABORATORY
UNDERGRAD RESEARCH ASSISTANT | JAN 2020 - MAY 2020
- Collaborate on Machine Learning project: *Geometric and Manifold Learning on Graphs and Unstructured Data*
- Utilize algorithm design, software engineering, data analysis

GUNN DATA SCIENCE
FOUNDER/PRESIDENT | AUG 2018 - MAY 2019
- Inspired by MIT BWSI Medlytics course (30+ members)
- Introduced students to fundamentals of data science and various applications through creating presentations, in-class Jupyter notebooks, competitions, and projects

AP COMPUTER SCIENCE A & FUNC + OBJ. ORIENTED PROG.
TEACHER'S ASSISTANT | AUG 2017 - MAY 2019
- Assisted students with classwork and questions regarding APCS's Java and Scheme material based off *Structure and Interpretation of Computer Programs* by Harold Abelson
- Taught FOOP concepts such data abstraction, recursion, interfaces, lists, inheritance, polymorphism, etc.

MIT BEAVERWORKS SUMMER INSTITUTE
STUDENT | JAN 2018 - AUG 2018
- Explored intersection of data science and medicine using concepts such as signals processing, ML, neural networks, etc.
- Worked alongside Cambridge-area clinicians and data scientists to gain hands-on experience applying advanced ML and data mining techniques to solve real-world challenges.

DIGITAL MEDIA ACADEMY - STANFORD UNIVERSITY
LEAD TEACHER'S ASSISTANT | JUNE 2018 - AUGUST 2018
- Provided leadership & camp spirit for students
- Assisted in various designated programming courses: Game Coding & Robotics, AI & ML, Java Programming, etc.
- Oversaw other TA's/worked closely with Program Directors