William Stern

Student, Software Engineer, Researcher

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Double-major junior studying Computer Science and Data Science at UC Berkeley. Looking to further develop my education and knowledge in the tech industry through a software/AI internship.

EDUCATION

University of California, Berkeley

B.A. in Applied Mathematics
Emphasis: Computer Science

B.A. in Data Science
Emphasis: Business and Industrial Analytics

Diablo Valley College

A.S. in Computer Science   Final GPA: **4.0**

- Algorithms
- Data Structures
- Program Design/Structure
- Computer Architecture
- OOP
- Functional Programming

San Ramon Valley HS

High School Diploma   Weighted GPA: **4.7**

- Volleyball (4 years)
- Leadership (4 years)

EXPERIENCE

Software Engineer

Freelance   Jun 21 – Present

Developed initial websites for businesses in multiple industries such as construction, education, and medicine.

Education Manager

MyEdPrep   Jan 22 – Aug 22

Managed education plans for multiple students, preparing them for college and beyond in every subject required.

Researcher, Programmer

Berkeley Lab   Jun 21 – Aug 21

Worked with an LBNL biophysicist to study pentapeptide structures using protein data APIs and AI/ML.

INTERESTS

- AI/Machine Learning
- Web App Development
- Cloud Computing
- Microcontroller Systems

SKILLS

Programming Languages:

- Python
- Javascript
- HTML/CSS
- C/C++
- Java
- SQL

Tools & Frameworks:

- NumPy
- Pandas
- Git
- React
- Netlify
- Express
- MongoDB
- OpenCV
- Arduino

Other Tech Skills:

- Photoshop
- Bioinformatics
- Jupyter Notebook

ORGANIZATIONS

Co-founder, CTO

Peer to Peer Connect   Jun 21 – Mar 22

Managed all technological assets, with our partner United Way, for our non-profit teaching international refugee students.

Co-tech Lead

Police and Fire: The Fallen Heroes   Jun 21 – Aug 21

Managed website development/maintenance and tech assets for our non-profit.

Astrophysics Researcher

NASA   Jan 19 – Aug 19

Created a rocket experiment, sponsored by NASA, to detect phosphorescence caused by solar radiation in low Earth orbit.

AWARDS

CCAR Scholar

$2500 scholarship awarded to 10% of over 100 applicants.

City National Scholar

$7500 scholarship awarded to 5% of hundreds of applicants.