William Stern

Student, Software & AI Engineer, Researcher

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Double-major student studying Computer Science and Data Science at UC Berkeley. Looking to further develop my education and knowledge in the tech industry.

EDUCATION

UC Berkeley
Aug 22 – (Expected) May 25

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

Diablo Valley College
Jun 20 – May 22

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

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

San Ramon Valley HS
Aug 18 – Jun 22

High School Diploma   Final Weighted GPA: **4.7**

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

PROFESSIONAL EXPERIENCE

Software Dev Engineer Intern
Amazon Web Services   May 24 – Aug 24

Worked on the API team at AWS S3 in their Seattle HQ.
Project Highlights:
- Designed a new configuration management system with dynamic storage. Used Java, Gradle, Amazon's internal software tools, and Amazon's build production pipeline.
- Worked alongside cybersecurity engineers to protect against potential abuse of S3 buckets and ensure their scope of accessibility was maintained.

AI Research Engineer Intern
Mendel.ai   Jun 23 – Aug 23

Project Highlights:
- Researched/developed new proprietary technologies. Used Snowflake, Google Cloud, NumPy, Parallel Processing, NLP, Algorithms, and Cloud Computing/Storage.
- Worked on the data pipeline for our AI system as Tech Lead. Used Selenium, Automation, Web Scraping, NLP, Cybersecurity, Algorithms, and System Design.

JOB INTERESTS

- Software Engineer
- AI/ML Engineer
- Technical Program Manager
- Project Manager

SKILLS

General:
- Leadership
- Communication
- Public Speaking

Languages:
- Python
- Javascript
- C/C++
- Java
- MySQL
- Scala

Tools & Frameworks:
- AWS
- Snowflake
- Numpy/Pandas
- GCP
- React
- Gradle

Technologies:
- Automation
- Cybersecurity
- Network Engineering
- AI/ML
- Algorithms
- Data Structures
- APIs
- System Design
- Cloud Computing

RESEARCH/VOLUNTEER

Chief Technology Officer
UC Berkeley Student Gov   Jun 21 – Feb 22

Leading technical projects and affairs in the student government senate for UC Berkeley's student body.

Researcher, Programmer
Lawrence Berkeley National Lab   Jun 21 – Aug 21

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

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.