
Education

University of California, Berkeley
B.A. (Computer Science) (Data Science)

Expected Grad: 2027

Relevant Courses

- **UC Berkeley:** (In Progress) Structure and Interpretation of Computer Programs, Oil Futures: Critical Approaches to Energy, Law, and the Climate Crisis, (Completed) Foundations of Data Science, Linear Algebra and Differential Equations, Introduction to Biomedicine for Engineers.
- **Monta Vista High School:** AP Computer Science Algorithms, AP Calculus BC, AP Statistics, AP Biology, AP English Language and Composition, AP Physics 1, AP Macroeconomics, AP US Government and Politics

Technical Skills

- **Languages:** Python, Java
- **Tools:** VS Code, RStudio, Microsoft Office Suite, Google Workspace, Git
- **Machine Learning, Deep Learning:** TensorFlow, Scikit-Learn, Numpy, Pandas
- **Data Analytics, Visualization:** Excel, Powerpoint, R, Matplotlib, Seaborn
- **Web Development:** HTML, CSS

Experience

- Grade Potential Tutoring, Tutor** **Jan 2024 - Present**
- Provided personalized, one-on-one tutoring for elementary through high school students in mathematics, science, english, public speaking, and coding subjects.
- Communication Academy, Teacher** **Jan 2024 - Aug 2024**
- Taught Public Speaking, Debate, and Writing classes for K - 5th graders. Created a fun and supportive environment to hone communication and academic skills.
- Merlin Solar Technologies, Intern** **Jun 2023 - Aug 2023**
- Contributed to the development and optimization of innovative solar technologies, focusing on enhancing efficiency and scalability. Assisted in the design and testing of solar panels, ensuring they met performance and quality standards.
 - Collaborated with the engineering team to analyze data and improve product designs. Created technical documentation for customers, detailing the engineering aspects and benefits of the solar technologies.
- Tech Interactive, Volunteer** **Nov 2022 - Aug 2024**
- Helped visitors interact with exhibits and taught human anatomy through augmented reality. Ensured all materials were present and returned if borrowed.
- Steel City Codes, Teacher** **Nov 2022 - Aug 2024**
- Taught fundamentals of Java to classes of ten elementary schoolers. Organized hackathons for students: found locations, liaised with teams.
- Speech and Debate Summer Camp, Director** **Jun 2018 – Aug 2024**
- Conducted summer camps for novice debaters to teach them case development, practice crossfires, improve argumentation, and conduct practice debates.

Projects

- “Judo”**
- A mashup of the board games Ludo and Jumanji in Java from scratch
 - Focused on UI and UX, emphasized interactive components and user ease.
- “Debate Detective”**
- Database storing tournament and round info and access to comprehensive analysis of a team’s arguments in Java.
- Machine Learning Driven Disease Susceptibility Analyzer**
- Uses DNA and biometric information to determine whether the user is at risk for Cancer, DNA and Heart Disease.
 - Written in Python and uses libraries such as PyTorch, Tensorflow, Numpy, and Scikit-learn.
- Evolution of Greek Research**
- Employed word embeddings, clustering, Mahalanobis distance analysis to analyze The Iliad.
 - Developed models to evaluate influence of environmental pressures, interactions, and events.
- Political Instability Predictor using Climate Change Factors**
- Uses sea level, food supply, temp, energy generation and consumption to predict political instability in the US.
 - Written in Python and uses libraries such as Scikit-learn, Matplotlib, Seaborn, Numpy, Pandas.
- Created various minigame replicas, such as **Dancing Pandas** and **Wordle**, in Java

