Dennis Koshta

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WORK EXPERIENCE

Independent Tutor/Instructor   **January 2020 – Present**
Tutor for computer science, math, piano, science, and Russian history
- Tutored fellow college students in computer science, explaining and assisting with debugging C and C++ code, as well as teaching common Git and Linux practices. Average of 5+ hours of lessons per week in total.
- Created personalized one on one lesson plans, helping three students raise their grade from failing to an A.
- Previously tutored children of various ages in math, piano, biology, as well as Russian history, culture, and literature; led activities and lessons for groups of 10+ students.

Verana Health   **July 2019 – August 2019**
Machine Learning Research Intern   *San Francisco, CA*
- Worked with data from multiple clinical databases, mainly the IRIS Registry, to develop ML models for embedding representations of physician and patient data.
- Used Jupyter Notebooks and TensorFlow to train deep neural networks for classification and analysis of those embeddings.
- Performed benchmarks and analysis of different models using matplotlib and other visualization packages.
    - Achieved over 90% model accuracy in predicting a physician's specialty based on patient data.
- Gave weekly reports/presentations of progress to project manager, attended weekly stand-up meetings.

Machine Learning Consultant   **December 2018 – September 2020**
Freelance ML Consultant on the Fiverr platform
- Consulted 10+ clients on various machine learning topics and applications; offered general advice, discussed specific ideas and possible solutions, and created models for requested tasks.
- Designed neural networks to perform tasks such as image classification, text generation, and function approximation, then performed analysis with real world data.
- Created Jupyter/Colab notebooks with detailed instructions on training and use, and also delivered final weights/models ready for deployment.
- Examples of projects include:
    - Sentiment Analysis for customer reviews using a supervised neural network.
    - A CNN model to classify pictures of cars into model/brand classes.

EDUCATION

University of California, Santa Cruz   **June, 2025**
Bachelor of Science, Major in Computer Science, Minor in Statistics   *Santa Cruz, CA*
- **4.0** GPA, Dean's Honors in **5/5** quarters
- Relevant courses taken:
    - Data Structures and Algorithms
    - Computer Systems and C Programming
    - Computer Architecture
- Machine Learning and Data Team Lead at NeuroTechSC

SKILLS

- **Programming Languages:** Python (TensorFlow, PyTorch), C/C++, HTML/JS/CSS, SQL, Haskell
- **Software:** Git, linux, Jupyter/Colab, Excel, VSC, vim, Photoshop, Blender
- **Languages:** English, Russian, French