Dennis Koshta

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WORK EXPERIENCE

Independent Tutor/Instructor   **January 2020 – Present**
Tutor for computer science, programming, piano, science, and Russian history
- Currently tutoring fellow college students in computer science, explaining concepts and assisting with debugging C and C++ code.
- Previously tutored elementary and middle school age kids in piano, biology, as well as Russian history, culture, and literature.

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 a model for embedding representations of physician and patient data.
- Used Jupyter Notebooks and TensorFlow to train various neural networks for classification and analysis of those embeddings.
- Performed benchmarks and analysis of different models using matplotlib
    - 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.

Fiverr   **December 2018 – September 2019**
Freelance Contractor: Neural Networks and ML
- Offered a customizable service package at different price tiers. Service consisted of creating and training machine learning models for specific tasks specified by the client.
- Created neural networks to perform tasks such as image classification, text generation, and function approximation, tested them on real data.
- Assisted client in which model/dataset to use, then delivered the Jupyter notebook and pretrained weights.

EDUCATION

University of California, Santa Cruz   **June, 2025**
Bachelor of Computer Science   *Santa Cruz, CA*
- Dean's Honors - **3/3** quarters, **4.0** GPA
- Applicable courses taken:
    - Data Structures and Algorithms
    - Computer Systems and C Programming
    - Computer Architecture
    - Advanced Computer Networks
- NeuroTechSC Club, Chess Club, Kendo Club

SKILLS & INTERESTS

- **Skills:**
    - **Programming Languages:** Python (Keras, TensorFlow, PyTorch), C/C++, HTML/JS/CSS, SQL
    - **Software:** Git, Jupyter, Excel, VSC, vim, Photoshop
    - **Languages:** English, Russian, French
- **Interests:** AI, ML, computer vision, NLP, neurotech, competitive programming, biotech, crypto/Web3, stock trading, video games, AR/VR, chess, music, fantasy/sci-fi, Wheel of Time, cooking, hiking, meditation