KOSTADIN DEVEDZHIEV

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EDUCATION

Stony Brook University   Sep 2018 - present

Bachelor of Science in Computer Science, Applied Mathematics & Statistics
Specialization in Artificial Intelligence and Data Science
3.85/4.00 GPA

WORK AND RESEARCH EXPERIENCE

Artificial Intelligence Research Assistant, *University of Hawaii at Hilo*   Jun 2020 – Aug 2020
- Researched and developed human-in-the-loop artificial intelligence for human-computer interaction.
- Trained a convolutional neural network with transfer learning and data augmentation.
- Developed a Bayesian algorithm for hyper-parameter tuning.
- Developed a multithreaded application that handles detection, classification, and user interactivity.

Creative Electronic Media Assistant, *University of Hawaii at Hilo*   Mar 2020 – May 2020
- Developed the website for the Data Visualization Lab at the University of Hawaii Hilo with React.js.
- Worked on a research project with holographic visualizations using a DseeLab holographic fan.
- Built an API that connects the holographic fan and the server using Java and Spring.
- Responsible for the setup and maintenance of computers and 3D printers in research labs.

Software Engineering Intern, *Vivansa Ltd*   Jun 2019 – Aug 2019
- Collaboratively worked on the frontend for a web app system using React.js.
- Fixed bugs that generated erroneous entries in a database for a transportation company.
- Practiced agile software development and worked collaboratively with different departments.

TEACHING EXPERIENCE

Applied Mathematics and Statistics Teaching Assistant, *Stony Brook University*   Aug 2020 – Present
AMS 210: Applied Linear Algebra

Linear Algebra Grader, *University of Hawaii at Hilo*   Mar 2020 – May 2020
MATH 311: Linear Algebra

Computer Science Grader, *University of Hawaii at Hilo*   Oct 2019 – Dec 2019
CS 150: Introduction to Computer Science

PUBLICATIONS

EMF Generated by Squeezing an Ellipse
Binder et al 2020 Eur. J. Phys. https://doi.org/10.1088/1361-6404/ABB066

TECHNICAL SKILLS

Data Science and Machine Learning: Python, R, SQL, TensorFlow, Keras, SciKit-learn, Numpy, Pandas
Application Development: JavaScript, Java, C++, HTML, CSS, React.js, React Native
Visualization and Image Processing: Matplotlib, Seaborn, Plotly, Pillow, OpenCV, Ggplot2
Presentational Skills: Excel, Word, PowerPoint