

KOSTADIN DEVEDZHIEV

kostadin.devedzhiev@stonybrook.edu

+359 89412279

kostadindev.pythonanywhere.com

EDUCATION

Stony Brook University

Sep 2018 - present

Bachelor of Science, double major in Computer Science and Applied Mathematics & Statistics

Specialization in Artificial Intelligence and Data Science

3.85/4.00 GPA, Computer Science Honors Program

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

- 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

- Worked on the frontend for a web app system using React.
- Fixed bugs responsible for 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, PyTorch, TensorFlow, Keras, SciKit-learn, Pandas

Application Development:

JavaScript, Java, C++, HTML, CSS, React.js

Visualization and Image Processing:

Matplotlib, Seaborn, Plotly, Pillow, OpenCV, Ggplot2

Office Skills:

Excel, Word, PowerPoint