

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

3.93/4.00 GPA

WORK AND RESEARCH EXPERIENCE

Artificial Intelligence Research Assistant, *University of Hawaii at Hilo*

Jun 2020 – Present

- Researched and developed human-in-the-loop AI for HCI considering efficiency and user experience.
- Worked on a convolutional neural network that utilizes transfer learning, data augmentation, and semi-supervised learning to handle lack of data.
- Implemented a novel algorithm for hyper-parameter tuning based on noisy binary search.
- Developed a multithreaded application that runs the ML real-time as the user is on the UI.
- The main tools used were Python, TensorFlow, Keras, Numpy, Pandas, and PyQt.

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 about holographic visualizations using a DseeLab holographic fan.
- Built an API that connects the holographic fan and the server using Java and Spring Boot.
- Responsible for the setup and maintenance of computers and 3D printers in research labs.

Software Engineering Intern, *Vivansa Ltd*

Jun 2019 – Aug 2020

- Collaboratively worked on the frontend for a web app system using React.js.
- Located and fixed roots behind erroneous entries in a database for a transportation company.
- Practiced agile software development and worked collaboratively with different departments.

TEACHING EXPERIENCE

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

ORGANIZATIONS AND INVOLVEMENT

Robotics-Driven Engineering Design Team, *Stony Brook University*

May 2020 – Present

Data Visualization Lab, *University of Hawaii at Hilo*

Mar 2020 – Present

Stony Brook Computing Society, *Stony Brook University*

Sep 2018 – Present

Environmental Club, *Stony Brook University*

Oct 2018 – Present

TECHNICAL SKILLS

Data Science and Machine Learning:

Python, R, SQL, TensorFlow, Keras, SciKit-learn, Numpy, Pandas

Software and Web Development:

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

Visualization and Image Processing:

Matplotlib, Seaborn, Plotly, Pillow, OpenCV, Ggplot2

Presentational Skills:

LaTeX, Excel, Word, PowerPoint