

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 UX
- Worked on a CNN that utilizes transfer learning, data augmentation, and semi-supervised learning.
- 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
Software and Web Development
Visualization and Image Processing
Presentational Skills

Python, R, SQL, TensorFlow, Keras, SciKit-learn, Numpy, Pandas
JavaScript, HTML, CSS, Java, C++, React.js, Flask
Matplotlib, Seaborn, Plotly, Pillow, OpenCV, Ggplot2
LaTeX, Excel, Word, PowerPoint