

CONTACT INFORMATION

Address

1452 Kinooole Street #202
Hilo, Hawaii 96720
United States of America

Phone

+1 (808) 209 - 4129

Email:

kostadin.devedzhiev@stonybrook.edu

Website:

kostadindev.pythonanywhere.com

GitHub:

<https://github.com/KostadinDev>

RESEARCH INTERESTS

Computer Vision Deep Learning

Scientific Computing Robotics

NLP HCI RL

PROGRAMMING LANGUAGES

Python C++ Java

JavaScript R Q#

MACHINE LEARNING

TensorFlow Keras Scikit

Numpy SciPy Pandas

DATA MANAGEMENT

SQL Firebase

VISUALIZATION

Matplotlib Seaborn Plotly

Pillow OpenCV Ggplot2

WEB DEVELOPMENT

HTML5 CSS3 Flask

React.js Node.js Express.js

OFFICE

Excel PowerPoint Word

ORGANIZATIONS

UHH Data Visualization Lab
Robotics-Driven Engineering Design
Stony Brook Computing Society
Stony Brook Robotics
Stony Brook Environmental Club

KOSTADIN DEVEDZHIEV

EDUCATION

Stony Brook University

2018 - present

BS in Computer Science, Applied Mathematics and Statistics
Specialization in Artificial Intelligence and Data Science
3.93/4.00 GPA

WORK EXPERIENCE

Artificial Intelligence Research Assistant

University of Hawaii at Hilo

Jun 2020 – Present 2 mos

- Researched and developed human-in-the-loop AI for HCI to efficiently collect data keeping UX as a priority.
- Worked on a CNN that utilizes transfer learning, data augmentation and other state-of-art DL techniques for small data.
- Implemented a semi-supervised clustering algorithm to handle data inefficiency in early training.
- Developed a multithreaded application that runs the model training and classification concurrently as the user interface is in use.
- The main tools used were Python, TensorFlow, Keras, and PyQt.

Creative Electronic Media Assistant

University of Hawaii at Hilo

Mar 2020 – May 2020 3 mos

- Developed the website for the Data Visualization Lab at the University of Hawaii Hilo with ReactJS.
- Worked on a research project about holographic visualizations with a DseeLab holographic fan.
- Built a RESTful API that makes the connection between the holographic fan, the server, and the GUI using Java and Spring.
- Set up and maintained computers and 3D printers for research and educational purposes for the computer science department.

Software Engineering Intern

Vivansa Ltd

Jun 2019 – Aug 2020 3 mos

- Collaboratively worked on the frontend for a website using ReactJS
- Helped with data engineering using PostgreSQL.
- Located and fixed reasons behind erroneous entries in a database for a transportation company using MS SQL, Java, and Spring
- Practiced agile software development techniques with Git.

TEACHING EXPERIENCE

Applied Mathematics and Statistics Teaching Assistant

Stony Brook University

Tentatively Fall 2020 4 mos

AMS 210: Applied Linear Algebra

Linear Algebra Grader

University of Hawaii at Hilo

Mar 2020 – May 2020 3 mos

MATH 311: Linear Algebra

Computer Science Grader

University of Hawaii at Hilo

Oct 2019 – Dec 2019 3 mos

CS 150: Introduction to Computer Science

CS 430: Operating Systems