Christopher White

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Education

BACHELOR OF SCIENCE | UNIVERSITY OF CALIFORNIA, DAVIS

· Major: Computer Science
· Expected Graduation: 2022
· 3.63 GPA, Dean's List
· Summer Abroad 2019

Work Experience

SOFTWARE & DATA SCIENCE INTERN

Rhombus Systems, Sacramento, California
July 2020 – September 2020
· Reduced server costs for running computer vision models by 10x
  o Migrated Caffe models running on Nvidia GPUs using CUDA and TensorRT to TensorFlow and compiled them for AWS EC2 Inferentia instances. This resulted in a 4x faster throughput per image running on instances 2.5x cheaper leading to a 10x reduction in cost per image processed.
· Created an example project using the Rhombus OpenAPI
  o Used the Rhombus OpenAPI to restream security camera feeds from HLS to RTSP
  o Project was used as an example for clients and partners of how to authenticate with and use the Rhombus OpenAPI

Awards

HACKDAVIS 2019

· Won Most Creative Hack – Meal Helper
  o My team made an app that helps students plan meals to eat at the dining commons, helping to avoid the freshman 15
  o Wrote a REST API on Google Cloud Platform that was used by the app to retrieve meal and food data, which was used to build potential meals for users

Personal Projects

· Batch Smoother
  o Multithreaded tool that applies a filter to all images in a directory, which blurs parts of each image which are of a similar color to the surrounding parts of the image
· Checkers
  o Uses a depth first search of future possible moves to choose an optimal move to make against the player

Technical Skills

LANGUAGES

· Python, Java, JavaScript, C, C++, C#, Golang, Swift, MATLAB

TECHNOLOGIES

· TensorFlow, Machine Learning, Computer Vision, CUDA, Docker, AWS EC2, Inferentia, Google Cloud Platform, Linux, REST APIs, Video Encoding and Decoding, Ruby on Rails, React Native

COURSES

· Machine Learning, Data Structures, Algorithm Design and Analysis, Object Oriented Programming, Computer Architecture, Information Interfaces, Machine Dependent Programming, Theory of Computation