Kobee Raveendran

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EDUCATION

UNIVERSITY OF CENTRAL FLORIDA

MS in Computer Science
Aug. 2020 - Dec. 2021 | Orlando, FL

UNIVERSITY OF CENTRAL FLORIDA

BS in Computer Science
Minor in Mathematics
Graduated May 2020 | Orlando, FL
Cum Laude
Concentration in Machine Learning
College of Engineering and Computer Science
Cum. GPA: 3.83 / 4.0
Major GPA: 3.94 / 4.0

LINKS

(Click to view)
Github:// **kobeeraveendran**
LinkedIn:// **kobee-raveendran**

COURSEWORK

GRADUATE

Machine Learning (CAP5610)
Computer Vision (CAP5415)
Advanced Computer Vision (CAP6412)
Advanced AI (CAP5636)
Current Topics in ML (CAP6614)
Advanced Text Mining (CAP6307)

UNDERGRADUATE

Senior Design I & II
Processes of Object-Oriented Software Design
Matrix and Linear Algebra

TECHNICAL SKILLS

PROGRAMMING

Python • C++ • Java • C •JavaScript

OTHER

Research Areas
Perception for Autonomous Driving • Computer Vision • Image Processing
Other
Keras • Tensorflow • Pytorch • Git version control • UNIX command line • Android App Development

RESEARCH

UCF CONNECTED AND AUTONOMOUS VEHICLES RESEARCH LAB (CAVREL) | Undergraduate Researcher

Jan 2020 – Aug 2020 | Orlando, FL
Working under Dr. Yaser Fallah and the PhD students in CAVREL on the perception (lane detection, 3D object detection, etc.) components of connected self-driving vehicles.

UNIVERSITY OF FLORIDA SURF PROGRAM | Undergraduate Researcher

May 2019 – Aug 2019 | Orlando, FL
Worked under Dr. Swarup Bhunia and Prabuddha Chakraborty to develop and improve on a novel image compression algorithm using machine learning for acceleration and point prediction. ML model development and testing was done in Python using Keras for prototyping, and color quantization and dequantization methods were implemented in C++.

INDUSTRY

MAJOR LEAGUE HACKING | MLH Fellow

Oct 2020 - Dec 2020 | Remote

- Selected as one of ~160 out of 10,000+ applicants for the Fall 2020 cohort of the MLH Fellowship in a pod sponsored by the U.S. Department of Defense
- Developing a learning solution for members of the Navy to practice voice commands using NLP

THE WALT DISNEY COMPANY | Machine Learning Engineering Intern

Jan 2019 - May 2019 | Orlando, FL

- Researched and implemented parts of machine learning model for predicting user interest in products using a corpus of product descriptions
- Tested, demonstrated, and reviewed viability of new machine learning tools for approval of use within WDPR
- Developed tools for tokenization and authentication in Python and JavaScript

PROJECTS (SEE GITHUB)

Headstone Photo Processing System (HPPS) - OCR Team
Fall 2019 - Spring 2020

- Leverages deep CNNs (AttentionOCR) to automatically extract characters
- Performs decently on challenging OCR scenarios, including curved text and imperfect headstones

AWARDS

2016	National Merit Scholarship Award
2017 - Present	President's Honor Roll
2017 - Present	CECS Dean's List

ORGANIZATIONS

2018	SIGAI@UCF
2016 - 2018	HACK@UCF
2016 - 2019	Burnett Honors College