

Lawrence Oks

GitHub:// ljoks | Portfolio ljoks.github.io | LinkedIn:// ljoks

EXPERIENCE

UNIVERSITY OF CENTRAL FLORIDA, CENTER FOR DISTRIBUTED LEARNING | TECHRANGER

October 2017 - Present | techrangers.cdl.ucf.edu

- QuestionUp: ReactJs frontend/NodeJs backend - allows students to anonymously post questions for professor in real time
- H5P [Materia](#) widget: JS and integration - R&D to explore the validity of integrating the H5P LTI into our in-house, open source learning platform

NEXTERA ENERGY | COLLEGE INTERN

May - August 2019

- Natural Language Processing, N-Gram Text Vectorization, Tensorflow Text Classification model training and deploy - automated process to save ~800 hours/year in manual labor
- Python and Visual Basic - automation scripting to improve efficiency of processes and save company time

EDUCATION

UNIVERSITY OF CENTRAL FLORIDA

B.S. IN COMPUTER SCIENCE

Orlando, FL | Expected May 2021

UNIVERSITY OF CENTRAL FLORIDA

M.S. IN COMPUTER SCIENCE

Orlando, FL | Expected May 2022

PROJECTS

see more projects and info on my website!

AI Pacman | Advanced Artificial Intelligence

August - December 2019

Multi-agent search, model-based and model-free reinforcement learning, Hidden Markov Decision models, informed state-space search, Naive Bayes - using pacman as a platform to visualize the implementation of various AI techniques and concepts

PL/o Compiler | SYSTEMS SOFTWARE

January - April 2019

Implemented a compiler (in C) for the high level language PL/o into assembly code.

POLTERGEIST | COMPUTER SCIENCE SENIOR DESIGN

August 2016 - June 2017

Used Unity3D Engine and C# to design and build an online multiplayer survival/horror game from the ground up. (Servers down as of Dec. 2017)

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SKILLS

SOFTWARE

Python • Java • C • C# •
MySQL(Microsoft certified) •
Flask • Django • C++

WEB

HTML5 • CSS • Javascript • PHP •
Bootstrap • NodeJS • ReactJS •
AngularJS

DESIGN

AutoCAD (Certified) • Unity •
MasterCam (certified) •
Photoshop (certified) • Blender

Tools/Dev

Git • Unix • CLI • Agile •
Tensorflow • Docker • Jira

HONORS|AWARDS|MEMBERSHIPS

Provost Scholarship Award

Burnett Honors College

Computer Club (2014-2017) Vice
President (2017)

AP Scholar with Honor(2015)

National Honor Society
Member(2014)

First Robotics Team 179 "Children
of the Swamp" (2014-2016)

Stevens University 1st place
Entrepreneurial Team (2015)

National Academy of Future
Scientists and Technologists
Award of Excellence (2015)