

# Lawrence Oks

Github:// [ljoks](#) | Portfolio [ljoks.github.io](#) | LinkedIn:// [ljoks](#)

## EXPERIENCE

### UNIVERSITY OF CENTRAL FLORIDA, CENTER FOR DISTRIBUTED LEARNING | WEB APPS DEVELOPER

October 2017 - Present | [techrangers.cdl.ucf.edu](#)

- QuestionUp: ReactJs frontend/NodeJs backend - allows students to anonymously post questions for professor in real time
- [Materia](#): JS and integration - Writing custom integration for the H5P LTI into our in-house, open source learning platform, as well as converting the platform from PHP/Angular to ReactJS

### NEXTERA ENERGY | COLLEGE INTERN

May - August 2019, June - August 2020

- Natural Language Processing, N-Gram Text Vectorization, Tensorflow Text Classification model training and deploy - automated process to save ~800 hours/year in manual labor
- Serverless status page built in AWS to monitor the health of an internal work management tool (Cloudformation, Lambda, APIGateway, DynamoDB, RDS, IAM and more)

## EDUCATION

### UNIVERSITY OF CENTRAL FLORIDA

B.S. IN COMPUTER SCIENCE

Orlando, FL | Expected May 2021 | GPA: 3.7

### UNIVERSITY OF CENTRAL FLORIDA

M.S. IN COMPUTER SCIENCE

Orlando, FL | Expected May 2022 | GPA: 4.0

## 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

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

## HONORS|AWARDS|MEMBERSHIPS

Provost Scholarship Award

Burnett Honors College

College of Engineering and  
Computer Science Dean's List

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

AP Scholar with Honor(2015)

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)