

Lukas Herman

DevOps Engineer

Aiming to educate people in programming and open up possibilities for low-income individuals to learn and climb the ladder of success.



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WORK EXPERIENCE

DevOps Engineer Intern

IBM - FoodTrust Blockchain Team

05/2018 – Present

Littleton, MA

Achievements/Tasks

- Wrote a Python script to convert codebase, 7,553 lines added and 2,477 removed, from Angular's i18n to ngx-translate using advanced Regex
- Fixed 2 existing issues regarding resizing FoodTrust's UI charts
- Developed a highly customizable report generator web app for managing multiple Github repositories
- Created an Angular end-to-end testing framework
- Made 241 contributions within 2 months

Software Developer Intern

Clemson Computing & Information Technology

05/2017 – 02/2018

Clemson, SC

Achievements/Tasks

- Used Tensorflow to generate 3D images from 2D images
- Led 2 graduate students to build and deploy Open EdX
- Developed Docker software to portably make incremental pull backups from cloud instance or local system
- Created an easy-to-use Python wrapper for MongoDB query
- Collaborated with 2 undergraduates to write a network simulator

PERSONAL PROJECTS

Personal Blog (12/2017 – Present)

- Write tutorials and posts as well as maintain a home server to host the blog
- Integrated Ghost platform, MySQL, Traefik, Docker, Cloudflare, and Swarm

LESA (07/2018)

- LESA, Location-based Emotion Social-media Analyzer, is the brainchild of a 12-hour hackathon at IBM. Led a team of 5 software developers
- Wrote a responsive and interactive UI, and deployed to IBM Bluemix server

Scavenger Hunt Slack Bot (04/2018)

- Led a team of 4 people
- Wrote a concurrent server to handle multiple players leveraging mutexes
- Integrated AWS RDS to store players' data and AWS Rekognition, image recognition AI, to analyze uploaded user images

Smart Reminder (03/2018)

- Smart Reminder is a fully automated break reminder powered by AI that intelligently turns on/off notifications by detecting if the user is sitting
- Led the hardware team of 2 people, and the software team of 2 people
- Wrote RESTful API, web UI, deep learning app for object detection, and debugged the hardware's team code

EDUCATION

Bachelors of Science in Computer Science

Clemson University

01/2017 – 05/2019

3.93/4.0

SKILLS

Self-Motivation



Teamwork



Team and Project Management



Time Management



Creativity



Problem-Solving



Go, Python, Linux, Docker, Bash, Angular, Git



C/C++, Java, Tensorflow, CI/CD, DB, Deployment



HTML, CSS, React, Vue.js, Django, Flask, Nginx



ACHIEVEMENTS

The Best Overall Hack in Clemson's Hackathon with Smart Reminder Project (03/2018)

Amazon Hosted AWS Cloudathon 3th Place Winner (04/2018)

Clemson University President's List (12/2017 – Present)

Clemson University Dean's List (05/2017)

The National Society of Leadership and Success (12/2016)

Tri-County Technical College Dean's List (12/2016)

Tri-County Technical College President's List (05/2016)

Top 25 in the High School Computing Olympiad of the capital of Indonesia (9.6 million people) (12/2015)

LANGUAGES

English



Indonesian



INTERESTS

Coding

Investing

Cooking

Traveling

Playing Guitar

Blogging

Teaching