

# Lukas Herman

## Full Stack Developer

Passionate about coding. Write technical blog. Maintain server. Enjoy being a full stack developer and learning new things every day. Expert in Go, Python, Angular, Linux, and Docker. Happy to relocate.

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## Education

### Bachelor of Science in Computer Science

Clemson University

01/2017 - 05/2019    3.95/4.0

## Work Experience

### Full Stack Developer Intern

IBM - FoodTrust Blockchain Team

05/2018 - Present    Littleton, MA  
Achievements/Tasks

- Current POC, developer, and maintainer for the end-to-end testing framework. Integrating into Jenkins build pipeline
- Created an Angular end-to-end testing framework with Protractor and Jasmine; the foundation for testing development
- Wrote a Python script to convert codebase, from Angular's i18n to ngx-translate, adding 7,553 lines and removing 2,477, leveraged advanced Regex, NLP, and locality analysis
- Fixed 2 existing issues regarding resizing FoodTrust's UI charts
- Developed a highly customizable report generator web app for managing multiple Github repos with asynchronous programming
- Made 286 contributions within 3 months

### Software Developer Research Intern

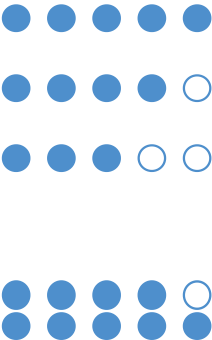
Clemson Computing & Information Technology

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

## Skills

Go, Python, Linux, Docker, Bash,  
Angular, Git, TS, Vue.js, CSS  
C/C++, Java, HTML, JS,  
Tensorflow, CI/CD, DB,  
Deployment  
CUDA, OpenCL, React, Django,  
Flask, Nginx



## Languages

English  
Indonesian

## Relevant Experience

Statismic - statismic.github.io    09/2018 - Present

- is a web app for visualizing various statistics problems
- Lead team, recruited 22 new students, give presentations
- Manage project and develop the UI with Vue.js, pure CSS3, and HTML

Personal Blog - blog.lukas-coding.us    12/2018 - 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, leveraging mutexes, to handle multiple players
- Integrated AWS RDS to store players' data and Rekognition, the AWS image recognition AI, to analyze uploaded user images

Smart Reminder - Hackathon 1st Place Winner    03/2018

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

## Achievements

The Best Overall Hack in Clemsons Hackathon with Smart Reminder Project (03/2018)

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

Clemson University Presidents List (12/2017 - Present)

Clemson University Deans List (05/2017)

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

Tri-County Technical College Deans List (12/2016)

Tri-County Technical College Presidents List (05/2016)

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