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   *3.93/4.0*

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 ● ● ● ●

INTERESTS

Coding	Investing	Cooking	Traveling	AI

Playing Guitar	Blogging	Teaching	Blockchain

RELEVANT EXPERIENCE

Crescanary   08/2018 - Present
- is a platform for teachers and students to share and view lectures respectively with smart topic organization
- Manage project and lead a team of 4 people
- Develop in all levels of stack, mainly the UI

Statismic - statismic.github.io   09/2018 - Present
- is a web app for visualizing various statistics problems
- Manage project and develop the UI with Vue.js, pure CSS3, and HTML

Personal Blog - blog.lukas-coding.us   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

Home Media Server   08/2018 - Present
- Integrated Plex, Aria2, 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

OPEN SOURCE CONTRIBUTIONS

Mailman - github.com/lherman-cs/mailman   08/2018 - Present
- is a peer-to-peer data sharing CLI for unix-like operating systems
- Develop and mantain project

Hugo Nederburg Theme   08/2018 - Present
- Added functionality to exitsting theme, allowing for multiple writers

Coala - github.com/coala/docker-coala-base   05/2017- 12/2017
- Fixed bug in Coala's Dockerfile

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)