

# **Evan Kivolowitz**

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## **Work Experience**

Founder and Lead Developer – ERK LABS LLC

*Summer 2019 – Present*

- Produced, hosted, and edited The Chicken Tender Report, a podcast about chicken tenders.
- Actively working on an inventory management system for bars to manage premium bottle service memberships. Planned to release September of 2019.
- Actively working on several additional bar related applications.

Researcher – National Science Foundation Cybersecurity Center of Excellence

*Winter 2019 – Present*

- Conducted a vulnerability assessment on Singularity, a containerization platform. Found vulnerabilities will be released for public distribution January 2020.
- Conducting a vulnerability assessment on an undisclosed (NDA) authentication platform.

Software Engineering Intern – Amazon Web Services

*Fall 2018*

- Project under NDA.

Software Engineering Intern – Grammatech

*Summer 2018*

- Developed pipeline to discover and build C/C++ projects using Travis-CI in Docker containers.
- Integrated binary analysis and rewriting tools into local Travis-CI containers to rerun unit tests.

Blockchain Development Intern – United Health Group – Optum

*Summer 2017*

- Developed Proof of Concept models for Blockchain focusing on data management.
- Made use of Hyperledger Fabric and Composer to develop permissioned Blockchain solutions.
  - Used Golang, JavaScript, D3, Nodejs, Bash, Docker, Python, and Git.
- Created Composer Blockchain deployment pipeline with an interactive Blockchain visualizer

**UW** - Research Assistant – School of Journalism / Department of Statistics

*Fall 2016 - Spring 2017*

- Lead programmer for a small research team that created concise models of social networks for Audience Segmentation.
- Used Python, MongoDB, and the Twitter API to develop efficient and reusable techniques of fetching, storing, and managing data.

## **Education**

University of Wisconsin: Madison – B.S. Computer Science – exp. graduation December 2019

- Undergraduate Projects Lab – Coordinator
  - In charge of administrating a hackerspace for like-minded computer scientists to collaborate and seek help on extracurricular projects.

## **Personal Projects**

Distributed Trade Hackathon Challenge Prize Winner - [DREX](#)

- Developed a marketplace for financiers to crowdfund electricity infrastructure in Africa.
- Built the marketplace on QTUM, and developed an ERC20 compliant token.
- Made use of Python / Flask, Solidity, Bash, and JavaScript for implementation.

Aegle – A Proof of Exercise Cryptocurrency

- Built on Ethereum, created a mobile app that uses OpenCV to detect performed exercise.
- Automatically pays users based on amount of work they performed.