**Evan Kivolowitz**

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<https://github.com/ekivolowitz/resume>

**Work Experience**

Software Engineer 2 - Give Good Deeds

*August 2020 - January 2021*

* Solely designed and implemented smartlink and app sharing related features with attribution.
* Developed from scratch the testing suite (pytest, fixtures, mocker).
* Developed Flask backend design patterns to loosely couple logical business logic from individual endpoints.

Cloud Engineer 1 - American Family Insurance

*Winter 2019 - August 2020*

* Responsible for maintaining and developing new capabilities in the enterprise AWS platform.
* Key Contributions include: reducing account creation process time from 1.5 interactive days to 3.5 hours hours of automation, generating a POC data reporting model to reduce overhead to cloud engineers.

Founder and 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. Leverages Python, Flask, DigitalOcean and NGINX.
* Covid Counter - a synchronized capacity counter for private businesses to ensure coherence with local authorities capacity guidelines. Leverages AWS and Android Studio.

Researcher – National Science Foundation Cybersecurity Center of Excellence (NSF)

*Winter 2019 – Fall 2019*

* Conducted a vulnerability assessment on Singularity, a containerization platform. Final report available: <https://bit.ly/3kvsosn>.

Software Engineering Intern – AWS

*Fall 2018*

* Worked on AWS Snowball - helped develop a POC of hosting another service on Snowball.
* Learned the foundations of using AWS and cloud technology.

**Education**

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

**Vulnerabilities Discovered - All Reported**

*Summer 2019 - Present*

* Singularity - Discovered a vulnerability allowing a root user within a container the ability to escalate privilege on the underlying host.
* Toppers Pizza - Discovered a vulnerability that disclosed PII (including name, address, and phone number) of any customer who had ordered a pizza online.
* Notion - Discovered an overexposure of information allowing an unauthenticated user the ability to collect PII on any publicly posted anonymous article.
* Subway - Discovered a vulnerability in their survey workflow allowing for unlimited free cookies, chips, or drink.

**Notable Personal Projects**

* Fuzzyman (Jan 2021) - An OpenApi Fuzzer with Postman integrations.
* MySpinClass (Nov 2020) - A FOS alternative to Peloton that connects to bikes over BLE.
* DREX (Jul 2017) - A QTUM based crowdfunding platform for solar cell deployment.

**Skills**

Python, Flask, WSGI applications, SQLAlchemy, Alembic, Mysql, Java, Docker, docker-compose, AWS, GCP, Linux, software security, Git, unit testing, reactjs, design patterns, communication, adaptive and teachable.