

ALEXANDER LUKENS

📍 Queens, NY
☎ +1 317 409 4685
@ alexdlukens@gmail.com

🌐 alukens.com
🐙 github.com/alexdlukens

Electrical Engineering Graduate

WHO AM I?

I am an early-career backend Software Engineer with a Bachelor's in Electrical Engineering. I am seeking employment in the **Software Development** and **DevOps** sector. Passionate about high performance design and enjoy learning about emerging technologies. An ideal position for me would be one that utilizes **Python** and **C++** in an **agile workplace** with ample opportunity to learn new skills.



EXPERIENCE

2/2022 - Present
full time

Software Engineer Lead

Intelligent Artifacts

Promoted from entry-level Software Engineer, to Team Lead managing technical direction of the Platform team. Oversaw technical challenges and feature implementation of web service utilizing the **Flask** web framework. **Real-time communications** implemented using **SocketIO** and raw **Websocket** protocol. Ensured Code consistency using **Flake8**, and documented code using Sphinx Docstring syntax. Automated pipeline for deployment of documentation
Sphinx / Python / Websockets / Docker / Plotly

2019 - 11/2021
part time

Prototyping Lab Assistant

Illinois Institute of Technology

Served as student worker in **rapid prototyping** lab as an undergraduate student. Shop responsibilities entailed assisting students with **CAD design** work, 3D printer usage, electronics prototyping, and code debugging
Electronics Prototyping / Arduinos / 3D Printing

4/2021 - 8/2021
full time

Web developer

Idea Shop Prototyping Lab

Utilized **Flask** web development framework to create site for Idea Shop Prototyping Lab using Bootstrap theme. Used javascript library AnimeJS to add **animated SVG content**. SQLAlchemy to serve dynamic information from **IoT devices**
Python / Flask / SQLAlchemy / Jinja2

EDUCATION

2018 - 2021

Bachelor's Degree - Summa Cum Laude - GPA 4.0/4.0

Illinois Institute of Technology

Received Bachelor's in Electrical Engineering degree, conferred in December 2021

Currently Pursuing

Independent Study

Docker Terminal UI (DTUI)

Currently researching and developing a terminal user interface for the **Docker daemon**. My intent is to make an interactive application much like **Vim** and **htop** using the Docker HTTP API

LANGUAGES

English - native speaker

HOBBIES

I am a proud two time finisher of the **Chicago Marathon**. Passionate about **Linux** and **FOSS** Projects. In my free time I enjoy reading about new libraries and working on a bash app using C++

ORGANIZATIONS

- Triangle Fraternity
- IEEE Eta Kappa Nu
- IEEE Computer Society
- Tau Beta Pi Society