

ALEXANDER LUKENS

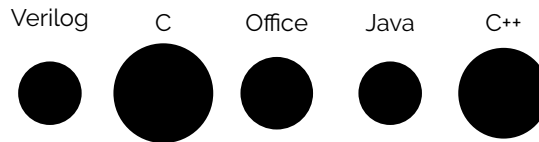
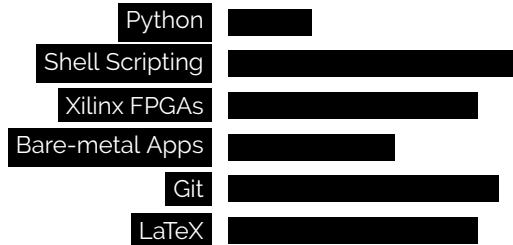
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Recent Electrical Engineering
University Graduate

WHO AM I?

I am a recent graduate with a Bachelor's in Electrical Engineering seeking to enter the software engineering field. I am passionate about hardware and FPGA design, and enjoy learning about emerging technologies. An ideal position for me would be one that utilizes C, C++, and Java in an agile workplace with ample opportunity to learn new skills. I believe my past experiences will lend well to a team-based work environment with frequent collaboration.



EXPERIENCE

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 new site for Idea Shop Prototyping Lab with simple Bootstrap theme. Used javascript library AnimeJS to add **animated SVG content**, SQLAlchemy to serve dynamic information from **IoT devices**

Python / Flask / SQLAlchemy / Jinja2

8/2021 – 12/2021
part time

EE Teaching Assistant

IIT ECE Department

Served as teaching assistant for electrical engineering laboratory. Assisted students with development of **C and C++ programs** using Arduino devices, graded assignments, and gave presentations

C++ / LaTeX / Debugging

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

Software Development Certificate

PennX | EDx.org

Currently completing coursework on **Software Development** and **Data Structure** fundamentals using **Java** through EDx.org. Projects completed for certificate can be found on my GitHub

LANGUAGES

English - native speaker

HOBBIES

I am a successful two time finisher of the **Chicago Marathon**. Very passionate about **Linux** and **Open Source** Projects. In my free time I enjoy reading about new languages (Currently **Chisel HDL**) and working on a GUI app using C++

ORGANIZATIONS

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