

# LUKE FARRITOR

## Computer Engineer

lukefarritor.com  
lukefarritor@gmail.com  
(402)-429-8000

Incredibly motivated undergraduate student looking for experience solving difficult, impactful problems.

## EDUCATION

### University of Nebraska-Lincoln

Aug 2020 - May 2024 (Anticipated)

*Raikes School of Computer Science and Management*

- ◆ The Raikes School is a **competitive honors program** accepting about 40 students per year. It focuses intensively on computer programming, business communication, and effective leadership skills.
- ◆ Computer Engineering major, with minors in Business and Robotics Engineering
- ◆ Relevant Coursework: Calculus I, Calculus II, Calculus III, Computer Science I (Java), Computer Science II (Java), Innovation Processes (Design Thinking), Accounting (Financial & Managerial), Economics (Macro & Micro)
- ◆ Involvement: Elected to Raikes Student Advisory Board, Club Golf, Areospace Club, Big Red Startups

### Homeschool

Aug 2007 - May 2020

*Combination of independent study, one-on-one tutoring, homeschool co-ops and AP classes*

- ◆ ACT: 35 | GPA: **4.0** | **National Merit Scholar**

## EXPERIENCE

### Don't Panic Labs | *Software Engineering Intern | Lincoln, NE*

Summers of 2017, 2018 & 2019

- ◆ **Worked full-time on creating MyLNK**, an app and website that connects people in need to local charities.
- ◆ **Played leading role on development team** consisting of both interns and full-time engineers using HTML/CSS, Angular, TypeScript and NativeScript.
- ◆ Launched with over **13,000 app downloads** and **2,000 monthly website users**. First responders, teachers and guidance counselors have been trained on the project and many use it every day.
- ◆ Received **multiple awards** for community impact from organizations such as the Lincoln Homeless Coalition and Leadership Lincoln.

### SOUNDTRACK. | *Technical Lead | Lincoln, NE*

2017 - Present

- ◆ Soundtrack is a **musical art installation** consisting of 50 computer-controlled guitars.
- ◆ **Approached by local artist** Charley Freidman to handle technical aspects of project.
- ◆ **Designed, programmed and assembled** custom circuit boards using STM32 microcontrollers, Altium and C.
- ◆ **Wrote an Android app** in Java to easily control music playback and designed custom guitar mounts.
- ◆ Raised **14,000 dollars** on Kickstarter using 4-guitar proof of concept. Currently building full installation for first showing in Q4 2020.

### Park & Go | *Summer Intern | Lincoln, NE*

Summer of 2016

- ◆ Collaborated with another intern to build multiple internal tools and began a **redesign of Park & Go's website**.

## SKILLS

**Proficient with:** C, Java, HTML/CSS, JavaScript/TypeScript, Blender, Git, Arduino, Unity, Linux/Windows shell

**Comfortable with:** C++, C#, STM32, Python, Solidworks, Altium, iOS & Android development environments

**Exposure to:** PHP, SQL, Go, Apache, MongoDB, Godot Engine, Haxe

**Other Passions:** Golf (*varsity letterman*), Books (*currently: Origin of Species*), Piano (*from age 5*), Violin (*still a beginner*)