Alexander R. Dikelsky

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**SUMMARY OF QUALIFICATIONS**

Computer Science major with strong interests in Data Science and Environmental Science. Current standing at Junior. Currently building Github project portfolio.

**EDUCATION**

## Luther College Decorah, IA Aug 2018 – Present

## *Junior, Computer Science, Bachelor of Arts Candidate (*GPA: 3.52 / GPA in CS: 3.85)

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## Michigan State University Online May 2019 – Present

### Courses toward a Geographic Information Systems Certification (Target 2020)

**COMPUTER SCIENCE PROJECTS**

## Pazzak (Complex Card Game using Rust) Summer 2019

* Implemented a game similar to blackjack in Rust, a new systems programming language.
* Used Object Oriented features such as structs and private methods.
* Work, along with a demonstration, is shown at github.com/AlexDikelsky/pazzak

## tmux Prefix Survey (Analysis and Keyboard Drawing using Python, TeX, R) Fall 2019

* Created and analyzed a Reddit survey on common “prefix” keys to evaluate best practices
* Created a program in Python to generate a reference drawing of a keyboard in Ti*kZ*, where more frequent prefix combinations are highlighted.
* Work is shown at github.com/AlexDikelsky/tmux-prefixes

**WORK EXPERIENCE**

## Luther College Decorah, IA Aug 2018 – Current

## *Calculus Grader Aug 2019* – *Current*

Recruited based on Calculus performance to ensure student receive timely and accurate grades. Relearning some aspects of calculus to understand different students’ methods.

## *Custodian Aug 2018* – *May 2019*

Cleaned Student Union staircases and vacuumed floors. Improved techniques for cleaning staircases.

## Marianos Vernon Hills, IL June 2018 – Aug 2018

## *General Grocery Clerk*

Provided customer services, packing and organizing groceries and retrieving grocery carts.

**SKILLS & TECHNOLOGY**

Proficient with: Python, Java, Rust, bash, awk | Familiar with: R, TeX, SQL, CSS

Technology: Microsoft Excel, vim, tmux, Python Debugger (pdb), git | OS: Linux (Ubuntu), Windows

**INTERESTS**

* Participation as an active member of the Luther Computer Science Society
* Reading Computer Science literature (e.g., *TeXbook*, by Donald Knuth, *AWK Programming Language* by Kernighan, Aho, and Weinberger, and *Rust Book* by Nichols and Klabnik)
* Organizing Programming Notes (listed at github.com/AlexDikelsky/programming-notes)
* Serving as Principal Trumpet of the Luther College Wind and Percussion Ensemble