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

## *Mathematics 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. Currently grading for an applied statistics course with a focus on R programming.

## *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