LIAM BECKMAN

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EDUCATION

Bachelor of Science; Computer Science — Oregon State University
Corvallis, OR   Expected graduation Fall 2019

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Bachelor of Science; Biology — University of Oregon Presidential Scholar
Eugene, OR   Graduated June 2017

EXPERIENCE & PROJECTS

liambeckman.com — personal website and portfolio
JavaScript, HTML, CSS, Jekyll   github.com/lbeckman314/website

A website that presents a variety of my projects and software development tools, including a Git server and an instance of Jenkins continuous integration service. The website and all projects are hosted on a personal single-board computer (Raspbian on RPi3 Model B).

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biblioteca — relational database web app
MariaDB, JavaScript, HTML, CSS   github.com/lbeckman314/biblioteca

An hostable database designed to store information of ones favorite programs. Allows users to keep track of what language each program was written in, the version number, it's purpose, and original authors and contributors. Serves as a rudimentary search engine for code and projects that one has encountered, and want to keep accessible in the future.

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withfeathers — poetry web app and shell program
Python, Flask   github/lbeckman314/withfeathers

Fetches, parses, and selects a random poem by Emily Dickinson from Project Gutenberg.

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devilish — portable shell for *nix operating systems
C   github.com/lbeckman314/devilish

A minimalistic shell for *nix operating systems. Utilizes system calls.

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matrix — mathematics shell program
Bash   github.com/lbeckman314/matrix

Conducts matrix operations such as multiplication, addition, and transposition.

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NSF Funded REU Researcher — Computational Genetics
University of Minnesota; Minneapolis, MN   May—August 2014; 40 hours per week
Conducted research involving botanical DNA isolation, purification, sequencing, and analysis; examined the effect of personally designed genetic markers had on a tropical tree's evolution/phylogeny; presented results and conclusions at the following scientific conferences:

- The 2015 Emerging Researchers National Conference in STEM hosted in Washington D.C.

- The 2015 University of Oregon Undergraduate Research Symposium

- The 2014 University of Minnesota Undergraduate Symposium