

Nathan Taylor

pecan-pine.github.io
github.com/pecan-pine
pecan.pine@gmail.com

EDUCATION

Oregon State University—Corvallis, Oregon / Online B.S. Computer Science (in progress)	Fall 2020 - Spring 2022
University of Oregon—Eugene, Oregon M.S. Mathematics	Fall 2017 - Spring 2019

PROJECTS

Continuous Resume Designed a continuous delivery system for my resume. Resume data is stored in a MongoDB database. A python program then inserts selected resume data into several Jinja templates, which are processed into a LaTeX resume, HTML resume, Markdown resume, and plaintext resume. When I push changes in my resume to GitHub, a webhook sends a POST request to a server I configured. The server then updates my website with the new resume changes.

React Tic-Tac-Toe Improved I extended a React tic-tac-toe app by adding an opponent, the ability to resize the board, and the option to play on a torus. You can play the game on my GitHub page.

GitHub Issue Browser Created a Flask implementation of a simple GitHub issue browser. The app is currently deployed on an AWS EC2 instance running Gunicorn and NGINX.

WORK EXPERIENCE

Tutor.com <i>Tutor</i>	August 2020 - Present
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- Tutored high school and college students in Calculus and Python programming. Teaching others to code has been a rewarding experience!

University of Oregon <i>Graduate Employee</i>	September 2017-August 2019
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- Taught undergraduate Mathematics courses as the primary instructor. Planned the structure of the course, determined the order in which content was covered, wrote exams, and graded exams. Led a small team of graduate-students in a study group that produced 50 pages of solutions to abstract algebra problems.

SKILLS

Languages: Highly Proficient: Python. Proficient: JavaScript, HTML, CSS, C++, Bash.
Database: Highly Proficient: SQL. Proficient: MySQL, SQLite, MongoDB.
Frameworks: Highly Proficient: Flask.
Markup: Highly Proficient: LaTeX. Proficient: Markdown, Jinja templating language.
Hackerrank Certificates: Proficient: Problem Solving, Python, JavaScript, Rest API.