Lucas Jensen

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SKILLS

- **Languages** | Python, Javascript, HTML/CSS, SQL, Go
- **Frameworks & Databases** | Express, MongoDB, MySQL, Flask, FastAPI
- **Technologies & Environments** | Visual Studio, PyCharm, Git & GitHub, Linux, CI/CD, Agile
- **Strengths** | Communication, learning, leadership, problem-solving, time-management
- **Skills** | Data Structures, API Development, unit tests, Networks, Data Management, deployment with NGINX, Google Cloud

EDUCATION

Oregon State University   GPA - 3.9
Bachelor of Science in Computer Science   Dec 2023 (anticipated)

San Francisco Conservatory of Music
Master of Music   June 2016

New England Conservatory
Bachelor of Music   June 2014

PROJECTS

Portfolio Home | http://lucasjensen.me/
- Hosted from my living room using a Raspberry Pi 4 Model B
- Served using port-forwarding and NGINX, built with React and MUI
- Local instances of MongoDB and MariaDB

Chess with Pygame | https://github.com/ljensen505/ChessPvP
- Fully built from scratch with all rules implemented.
- Users can play against each other over a local network.
- Data persisted using pickling.
- Built for BeaverHacks Spring 2022, and OSU hackathon
- Online multiplayer under development using FastAPI

FishTrak o-Matic | http://fishtrak.lucasjensen.me/
- A web application using Flask and MySQL that supports CRUD operations.
- Enables users to track themselves as fishermen, their catches, and bodies of water they visit.

Exercise Tracker | http://exercises.lucasjensen.me/
- A full-stack MERN web application using React, a REST API using Node and Express that supports CRUD operations, and MongoDB for persistence
- Enables users to track exercise name, reps, weight, unit, and date

Immunization Data Processing Automation
- A Python script for automating processing of bulk patient data and interface with Oregon's state immunization database, ALERT IIS
- Saved hundreds of man hours of manual data processing.
- Written for and in use by White Bird Clinic in Eugene, OR.

EXPERIENCE

Undergraduate Teaching Assistant
Sept 2021 - Present

Oregon State University
Remote

- Assist teaching students in Intro To Computer Science I & II, and Software Engineering II while practicing good teamwork to manage a class of 300+ students
- Hold regular office hours, and adhere to grading deadlines
- Intro to CS I & II topics included: Git, Pycharm, Object Oriented Programming, and general Software Development processes.
- Software Engineering II topics included: continuous integration & continuous deployment, unit testing, random testing, and test driven development.

Admin Asst: Data Automation
Apr 2021 - Present

White Bird Clinic
Remote

- Used Python to automate processing of clinical data, bringing processing time for a 300 person clinic down to 10 minutes.
- Automated data exchange with Oregon's statewide immunization database, cutting data input time by 95%.
- Write unit tests to verify and maintain software
- Problem solving for a variety of topics within the team, which may or may not be software related.

Summer Internship: Operations Assistant
Jul 2017 - Aug 2017

Festival Mozaic
San Luis Obispo, CA

- Coordinate a group of volunteers at various concert locations, showing leadership to ensure smooth operation during events.
- Communicate with performing musicians to make sure everybody is up to speed on the day's events
- Assist in building and tearing down production equipment

Orchestral Trombone Player
Sep 2014 - Jan 2021

Various Ensembles
West Coast

- Performed with various orchestras throughout the Bay Area, Washington, and Oregon to help execute performances of the highest caliber.
- Doubled with different instruments as needed.
- Strictly adhered to schedules where being late was not an option.