

Jessica Lane

Associate Software Engineer | 1 year of professional experience | full stack & backend development

jesslane94@gmail.com • [linkedin.com/jesslane94](https://www.linkedin.com/in/jesslane94) • github.com/jesslane94

SKILLS

Programming Languages: Javascript, Python, Typescript, C++, HTML/CSS

Technologies/Frameworks: Amazon Web Services, Google Cloud Platform, Terraform, React, Tailwind, Node.JS

Developer Tools: Git, Github, Gitlab, VS Code, Visual Studio, Adobe Creative Suite, Jira

EDUCATION

Oregon State University (2021)

B.S. Computer Science, GPA 3.90

WORK EXPERIENCE

Sinclair Digital, Seattle, WA | Associate Software Engineer I | December 2024 - present

- Worked closely with product team to develop 2D game built with Typescript and HTML Canvas for an interactive ad with the National Highway Traffic Safety Administration, was rolled out to 78 news stations
- Assisted development of a multiplayer trivia app using Typescript/React and set up the backend with AWS Lambdas and DynamoDB to store game information, served through AWS S3 and Cloudfront
- Set up CI/CD pipelines in Gitlab and used Terraform to provision AWS resources for new projects
- Create documentation for onboarding and project designs in Confluence and LucidChart

PROJECTS

Business Scheduling Application | React/NextJS/NextAuth/Tailwind/Express/MongoDB/Joi

- Built a conceptual web application for a business with a team of four other developers that could be used for scheduling and tracking location of appointments
- Utilized NextAuth to setup Google sign in for admin user verification, set up customized sign in and sign out routes for the website
- Setup routes for form submission in Express and validation of data with Joi

Inventory Manager API | Python/Flask/GCP/Postman

- Designed a REST API to manage incoming business invoices and track inventory levels
- Implemented OAuth 2.0 Authentication and automated API testing utilizing JSON in Postman
- Formulated comprehensive set of API documentation aligning with industry standards

Musical Genre Classifier using Machine Learning | Tensorflow/Keras/Python/Flask/Javascript/Heroku

- Collaborated asynchronously in a remote team of three people to develop a convolutional neural network to predict a song's genre with 80% accuracy
- Increased model accuracy from 65% to 80% by handcrafting kernel regularizer, dropout, and dense layer configuration—matching accuracy of common production models

AWARDS & ACTIVITIES

Seattle GiveCamp, Volunteer (2024) | Wordpress, HTML, CSS

- Assisted Washington Association of Child Advocate Programs with a modern website refresh
- Utilized Wordpress editor and CSS to edit a theme that was also responsive on mobile
- Introduced new plugins such as MapGeo and Mobile Menu to make the site more interactive

HackOr Hackathon, Best Social Good Hack Award Winner | Python/Flask/OpenCV/dlib/scipy

- Won award for *Best Social Good Hack* based on possible impact for e-learning during COVID
- Worked in a team of three to create computer vision web application to alert presenters when an audience is not engaged using facial landmark models