Maddi Laizure

Full Stack Software Engineer

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Remote
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Technologies

Languages: TypeScript, JavaScript (Node.js), Python, HTML, (S)CSS, C, Bash
Web Frameworks: Express, Flask
Data: MySQL, Redis, MongoDB
Front End: React, Bootstrap, jQuery
OS & Tools: Linux, Git, GitHub, Emacs

Education

Certificate in Software Engineering with Web Development Specialization

Holberton School | *September 2020 - present (Graduation April 29, 2022)*

- Project-based curriculum providing practical, industry-relevant experience driven by peer learning

B.S. Chemical Engineering

University of Tulsa | *August 2009 - May 2013*

- GPA: 3.85

Projects

Dragonfly | github.com/mlaizure/dragonfly | github.com/mlaizure/dragonfly-github-app

Command Line App: *Python, GitPython, Matplotlib*

GitHub Web App: *React, CSS, Flask, PyGithub, Matplotlib, Heroku*

- Source code analysis tool for assessing software maturity
- Reviews Git or GitHub history and highlights areas of code by frequency of errors
- Incorporates multiple output formats including graphical

AirBnB Clone | github.com/mlaizure/AirBnB_clone_v4

Python, JavaScript, HTML, CSS, Flask, MySQL

- Full stack deployment with REST API for client side communication
- Data abstraction layer for swappable data backends and rapid prototyping
- Used focused pair programming sessions to iterate through multiple structured stages of development, coordinating with different peers at each stage

Simple Shell | github.com/blanketmanatee/simple_shell

C, Linux, Valgrind, troff

- Basic interpreter for executing built-ins and system programs
- Dynamic memory management leak checked with Valgrind
- Issue system signals triggered by keyboard shortcuts
- Wrote man page using troff format

Experience

Systems Engineer

Linde Engineering North America Inc. | *June 2013 - April 2016*

- Contributed to gas processing plant design
- Complex systems with many crucial and interwoven details developed in a structured lifecycle
- Reviewed and maintained piping and instrumentation diagrams according to evolving requirements
- Coordinated with multiple teams to create interdepartmental deliverables for production and safety