

SAMAY PUSARLA

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EDUCATION

Master of Computer Science, Oregon State University GPA: 3.7 Expected Dec 2023

Graduate Teaching Assistant for Parallel Programming - Guided students to work with C++, and Bash scripts.

SKILLS

| | |
|---------------------------------|--|
| Languages | Python, SQL, JavaScript, TypeScript, Java, HTML5, CSS |
| Frameworks and Databases | React, REST API, Node.js, Express, Next.js MySQL, MongoDB, PostgreSQL, |
| Cloud Technologies | AWS (EC2, Dynamo DB, S3, Lambda), Firebase (Firestore, Functions, Hosting) |
| Other | Docker, BASH, UNIX, Data Modeling, Git, RabbitMQ, Figma |

EXPERIENCE

Identity Access and Management Assistant Nov 2022 - Present

Oregon State University, Corvallis, OR

- Contribute to Python script development, enhancing reliability, and functionality by actively patching bugs, while concurrently creating a TeamDynamix API-based script that reduces task completion time by 15%.
- Efficiently manage access requests and service group assignments, ensuring timely and accurate provisioning of privileges.

IT Support Technician - Tier 1 Nov 2021 - Nov 2022

Oregon State University, Corvallis, OR

- Enabling OSU stakeholders with Tier 1 support to provide a range of IT solutions, including troubleshooting, software upgrades, infrastructure maintenance, and incident management

Data Engineer Intern Sep 2022 - Oct 2022

MAPMG - Kaiser Permanente

Remote

- Developed and designed reusable frameworks and libraries in Python
- Developed, deployed and maintained web services with micro-service architecture using Docker
- Performed REST API calls to a variety of backends
- Facilitated ETL processes between different systems and database technologies, typically using Python and SQL

Software Engineer Intern Jun 2022 - Sep 2022

Trax Retail

Remote

- Created a web app to manage and clean inventory data for the beverage industry
- Built data pipelines to facilitate data cleaning, data integrity checks and identification of errors.
- Engaged in OOP practices and test-driven development—by writing unit tests, mocking and dependency injection
- Used Firebase Functions (Serverless), Firestore, React.js, Node.js, MySQL, Python, and Javascript

PROJECTS

Talk With Us - A Resume Discussion Platform: Implemented using Open AI, Next.js and TypeScript, Tailwind for the frontend and LlamaIndex.TS as an LLM Framework to ingest Data. Designed an intuitive user interface for resume discussions.

Tarpaulin - A Learning Management System Backend: Implemented REST APIs using express.js, docker, and MySQL with authentication and authorization. The endpoints support user role management, course creation, and assignment submission.

Online Gaming Market Place: Built a website using Flask, a Python framework, and used MongoDB to store and read data. The functions that are performed on the website are login, transaction history, option for selling an item or canceling an item, and verifying the eligibility of items for selling.