Max Lai

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EXPERIENCE

DXC Technology   Tampa, FL
Software Engineer   April 2020 – Present

- Implemented new features, troubleshooted issues and created bugfixes for DXC Experience Hub, a cloud enterprise learning management system.
- Developed middleware applications and RESTful APIs to validate and process large amounts of data, using tools such as Python, Falcon, RabbitMQ, Postman, Docker and Kubernetes.
- Optimized application performance by reducing code length and migrating shared libraries to an external repository for reusability.

LaunchCode   Tampa, FL
Teaching Fellow   February 2020 – June 2020

- Taught an introductory full-stack web development course, covering technologies such as JavaScript and Angular, to a class of non-traditional computer science students.
- Supervised weekly meetings and pair programming exercises, and supported students via online office hours.

Xcira, LLC   Tampa, FL
QA Automation Engineer   July 2019 – April 2020

- Built a suite of automated tests utilizing Python, Selenium WebDriver, and other tools to support and test the company's flagship simulcast auction software product during and after regular business hours.
- Developed an operational support application to parse JSON data for active auctions and verify end-user web client functionality by periodically logging into ongoing sales.
- Reduced manual testing efforts by 75% and decreased time between issue discovery and resolution.

SKILLS

Languages: Python, Java, C#, JavaScript
Full Stack: Django, Falcon, Flask, HTML, CSS, PostgreSQL
Other: Git, Docker, Kubernetes, RabbitMQ

PROJECTS

Learning Package Uploader   2020

- Coordinated with two developers to build an application from the ground up that facilitates storing and serving SCORM-compliant content within an enterprise learning management system, using Python, Docker and RabbitMQ.

User Management API   2020

- Created an API utilizing Python, Falcon, and PostgreSQL to ingest and log new trial user data in a database, authenticate users via JSON Web Tokens, and export user data for leads generation.

Inventory Management System   2019

- Built a GUI-based application with Java and JavaFX to manage manufacturer inventory additions, deletions, and modifications.

Product Price Checker   2018

- Developed an online shopping web app using Python, Django, and Bootstrap, which allows users to create/login to personal accounts, search for products, and track price data.

EDUCATION

Western Governors University   Tampa, FL
B.S. Computer Science   2018 - 2021