

Luna Lucadou

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EDUCATION

University of North Carolina at Charlotte

Master of Science in Computer Science

Charlotte, NC

Aug. 2020 – Dec. 2021

University of North Carolina at Charlotte

Bachelor of Science in Computer Science

Charlotte, NC

Aug. 2016 – May 2020

EXPERIENCE

University of Wisconsin-Madison

API Software Engineer

Madison, WI

May 2023 – Present

- Designed, developed, and implemented REST APIs using Flask, SQLAlchemy, and Python for aggregated person and HR data, including ETL processes and webhooks
- Lead development of a bulk export service for person data and performance improvements
- Utilized Google Cloud Platform services, including Apigee, Cloud Functions, PubSub, and more, in building and maintaining performant serverless applications

University of North Carolina at Charlotte

College of Computing and Informatics Graduate Assistant

Charlotte, NC

Jan. 2021 – Dec. 2021

- Helped build a system to host cloud IDEs for students on AWS
- Utilized Django for a frontend and Flask for the internal API, leveraged Nginx to secure internal traffic, and LDAP to manage user accounts and permissions

College of Computing and Informatics Tutor

Jan. 2019 – Jan. 2021

- Helped students in a one-on-one setting with programming assignments and concepts
- Tutored for courses in Java, data structures and algorithms, Ruby, Rails, git, software engineering, Python, relational databases, C, assembly, and computer architecture

OneIT Desktop Support Technician

June 2017 – Jan. 2021

- Provided end-user support for Apple and Windows devices and printers over the phone and in-person
- Provisioned new devices for deployment, utilized Jamf, AD, and SCCM, migrated existing computers, and prepared devices for surplus in compliance with FERPA regulations
- Assisted in the deployment of OS imaging and upgrades on hundreds of computers

Ally Financial

Software Development Intern

Charlotte, NC

June 2020 – Aug. 2020

- Moved code from SVN to Git and taught team members how to use Git and the Git branching workflow
- Migrated a network monitoring Ember JS application from an on-premise data center to AWS to increase resiliency to network failures and allowing for expansion into additional lines of business
- Reduced deployment time and errors by creating Bash scripts to automate the dependency setup and build process for and deployment of the network monitoring application to AWS using CloudFormation and S3

Bank of America Merrill Lynch

Software Development Intern

Trenton, NJ

June 2019 – Aug. 2019

- Used C# and JavaScript on Merrill Lynch Affluent Account Opening services to enable address verification
- Isolated and resolved Jenkins build errors
- Overhauled documentation of Affluent Account Opening services flow

Oracle

Software Engineer

Morrisville, NC

Jan. 2018 – Aug. 2018

- Utilized Kubernetes to automate Docker deployment of a microservices platform for high-availability cloud applications in the Oracle Cloud Infrastructure's Bare Metal as a Service platform
- Worked with Python to expose REST APIs using Flask for Bind9 (DNS) and Oracle Directory Server (LDAP)
- Created visualizations and system health alerts in Kibana for service monitoring with Elasticsearch
- Wrote unit and integration tests for use in GitLab and Jenkins continuous integration pipelines

TECHNICAL SKILLS

Languages: C/C++, HTML/CSS/JS, Java, Python, Ruby, SQL (MySQL, Postgres), Terraform

Technologies: AWS, GCP, Microservices, Django, Flask, Rails, CI/CD, Infrastructure as Code, REST APIs