Sierra Acy

https://github.com/sierra-acy   sierra.acy@gmail.com

EXPERIENCE

Warner Bros. Discovery, Software Engineer II   **November 2021 – March 2023**

Client Data Ingestion
- Implemented graceful shutdown of data transformation service when the Kubernetes pod received a SIGTERM
- Parsed CSV and SQL files using Python to build new Snowflake SQL commands, tasks, and functions for inserting data into Snowflake using Sqitch
- Re-purposed legacy backfill tool to re-ingest incorrect and missing data into DB, including gathering requirements, developing new workflow in JavaScript, testing pipeline from local trigger through AWS, Kubernetes, and Snowflake, and documenting new tool design and usage

Microsoft, Software Engineer I   **October 2020 – October 2021**

DPXE Land Engineering
- Developed data migration workflow in Power Automate Flow from legacy data input to new tool in Dynamics365. Required for MVP product launch, allowing minimal disruption to end users switching from one system to the next
- Collaborated closely with customer to design and implement spend tracking feature using Power Automate Flow to pull data from a SQL DB and push to Dynamics365 tool
- Implemented feature to clone a Dynamics365 record using Power Automate Flow, allowing for quick and easy creation of new similar records
- Implemented email notifications using Power Automate Flow, triggered by change events in Dynamics365 records
- Wrote clear and complete feature documentation, including screenshots, diagrams, and step-by-step instructions
- Wrote and recorded 6 demo videos for internal customers to demonstrate how to use the new tool

Microsoft Community
- Organized and hosted three Pub Trivia events within the organization to meet coworkers outside of our own teams and learn about the datacenter pipeline as a whole
- Hosted virtual dance parties for Summer 2021 interns through Microsoft Dance group

The Walt Disney Company, Software Engineer   **April 2017 – October 2020**

Genome – Video Search and Metadata Service
- Owned and developed data pipeline from data ingestion through UI display using Elasticsearch, Java, REST API, AngularJS, SPARQL, various AWS services
- Prepared two high-profile demos for The Simpsons creative team and Pixar executives on a highly compressed timeline by collaborating across several teams, ingesting multiple data streams, finding and fixing bugs, and displaying new data in the Genome UI
- Migrated API service to query Elasticsearch instead of MarkLogic triple store database to improve response time by 2x and synchronize data across APIs
- Designed and implemented high priority feature to display unique video metadata through API design, data transformation, and user interface layers using Java and AngularJS
- Led effort to streamline versioning and release management processes

GoPublish – Content Management System
- Designed and implemented architecture in AWS to integrate custom ESPN Photo Tool with 3rd party tool
- Designed and implemented new UI in React for admin pages

Disney Community and Recruitment
- As Seattle office Internship Program Leader, organized and mentored appx 60 Seattle interns over three years, including weekly sync-ups, intern presentations, and social events
- Organized and conducted job shadowing opportunities for 5 Computer Science students from 2 universities
- Participated in 6 recruiting and hacking events at universities in Washington, California, and Texas

Internships   **2015 - 2017**
- Content Management Systems Team: Designed and developed new-generation UI for Archimedes Media Asset Management system using Vue.js and Webpack
- Emerging Technology Solutions Team: Designed and developed Disney IoT Room Detective utilizing Raspberry Pis and motion sensors to detect vacancy of conference rooms, written in Node.js and MongoDB
- Unified Messaging Team: Created the Preview feature for SMS and email templates in the internal Disney Courier application using JavaScript, HTML, jQuery, and Knockout

SKILLS

- Java, Typescript, JavaScript, Python
- React, AngularJS, HTML
- Rest API Design, Amazon Web Services, Terraform, Kubernetes
- Public Speaking, Mentorship, Event Planning

COMMUNITY INVOLVEMENT

- Taught AP Computer Science A at two Washington high schools via the Microsoft TEALS program, 2017 – 2019, 2021-Present
- Mentored two students from nontraditional backgrounds with Mentors in Tech, 2020-2021
- Hour of Code Volunteer Coordinator for the Department of Computer Science, UT Austin 2015 and 2016
- Grace Hopper Celebration of Women in Computing sponsored attendee, 2015 and 2016

EDUCATION

The University of Texas at Austin, Austin, TX   **August 2013 – December 2016**

Bachelor of Science and Arts in Computer Science, Minor in Music