

# Sierra Acy

sierra.acy@gmail.com

(713) 408-6917

## EDUCATION

**The University of Texas at Austin**, Austin, TX

**August 2013 – December 2016**

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

## EXPERIENCE

**HBOMax, Software Engineer II**

**November 2021 – Present**

### **DPXE Land Engineering**

- Parsed csv and sql files using Python to build new Snowflake sql commands, tasks, and functions for inserting data into Snowflake using Sqitch

**Microsoft, Software Engineer I**

**October 2020 – October 2021**

### **DPXE Land Engineering**

- Designed and implemented 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
- Worked 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
- Implemented custom logic in js to auto-populate placeholders in email template with data from CRM entities
- Wrote clear and complete documentation for each feature, 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 CO+I with the goals of meeting coworkers outside of our own teams and learning 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 three REST APIs, a data transformer and indexer, and the Genome user interface for searching and browsing content, and made significant contributions to three other services
- Developed and managed 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 in a highly compressed timeframe 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
- Lead effort to versioning and release management processes

### **GoPublish – Content Management System**

- Rearchitected Camel integration to assist in cloud migration to Amazon Web Services
- Designed and implemented cloud-based architecture in AWS for integration of custom ESPN Photo Tool with 3<sup>rd</sup> party tool
- Designed and implemented new UI in React for admin pages

### **Archimedes Media Asset Management System**

- Designed and developed next-generation UI using Vue.js and Webpack

### **Disney Community and Recruitment**

- As Seattle office Internship Program Leader, organized and mentored appx 60 Seattle interns over three years throughout internships, 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

**Company, Content Management Systems Intern****January – April 2017**

- Designed and developed new-generation UI for Archimedes Media Asset Management system using Vue.js and Webpack
- Worked with Archimedes and Genome teams to research and design Digital Rights Management solutions

**The Walt Disney Company, Emerging Technology Solutions Intern****June – August 2016**

- 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
- Implemented automation for deployment of Raspberry Pi software updates

**The Walt Disney Company, Unified Messaging Web Development Intern****June – August 2015**

- Created the Preview feature for SMS and email templates in the internal Disney Courier application using Javascript, HTML, jQuery, and Knockout

**SKILLS**

---

- Java, Rest API Design, Amazon Web Services, Terraform
- JavaScript, React, AngularJS, HTML
- Power Automate Flow, Dynamics365
- Public Speaking, Mentorship, Event Planning

**COMMUNITY INVOLVEMENT**

---

- Mentored of two students from nontraditional backgrounds with Mentors in Tech, 2020-2021
- Taught AP Computer Science A at two Washington High Schools through the Microsoft TEALS program, 2017 – 2019, 2021
- Department of Computer Science Lean In Circle member, UT Austin 2016
- Design Collective Workshop Instructor, UT Austin 2015-2016
- 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