Sierra Acy

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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

The Walt Disney Company, Software Engineer   **April 2017 – Present**

Genome – Video Search and Metadata Service
- Took ownership of three REST APIs, a data transformer and indexer, and the Genome UI for searching and browsing content, and became major contributor on 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 for two high-profile demos to 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 triplestore database to improve response time and synchronize data across APIs
- Designed and implemented high priority feature across API, data transformation, and UI layers using Java and AngularJS
- Worked with Project Manager to refine versioning and release management processes

GoPublish – Content Management System
- Rearchitected Camel integration to assist in cloud migration to Amazon Web Services
- Designed and implemented new UI in React for admin pages
- Designed and implemented cloud-based architecture in AWS for integration of custom ESPN Photo Tool with 3rd party tool

Archimedes Media Asset Management System
- Designed and developed next-generation UI using Vue.js and Webpack

Disney Community and Recruitment
- Volunteered to take on Disney Seattle office Internship Program Leader position
- Organized and mentored appx 60 Seattle interns over three years throughout internships, including weekly sync-ups, intern presentations, social events, advice and guidance
- Organized and conducted job shadowing opportunities for 5 Computer Science students from 2 universities in Seattle
- Participated in 6 recruiting and mentoring events at universities in Washington, California, and Texas
- Volunteered to lead Teaching workgroup within Engineers Taking Action organization focused on improving diversity in tech and at Disney through volunteering and mentorship in underrepresented communities

The Walt Disney 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 for each project

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, AngularJS, HTML, and MongoDB
- Designed and constructed configurations of Raspberry Pis with motion sensors
- Implemented physical and digital security features on Raspberry Pi
- Designed and developed UI to display room vacancies for display screens at the entrance to each floor
- Implemented automation for construction and deployment of Raspberry Pis

The Walt Disney Company, Unified Messaging Web Development Intern   **June – August 2015**
- Created the Preview feature for the internal Disney Courier application using Javascript, HTML, jQuery, and Knockout
- Updated and created new pages for the Courier UI
- Participated in all sprints and sprint planning sessions

DrillingInfo, Development Intern   **June – August 2014**
- As part of scrum team, worked with business analyst to break down customer requirements into developmental tasks
- Joined a team that explored new technologies for their next generation product line (JavaScript with AngularJS and jQuery)

- Wrote and tested instructions for DI 2.0 Development Environment, used successfully by the DI Costa Rica team

SKILLS

- Java, JavaScript, React, AngularJS, HTML, C++, C
- Amazon Web Services: S3, SQS, Elasticsearch, Lambda, ECS, EC2, SNS
- Public Speaking, Mentorship, Event Organization and Coordination

COMMUNITY INVOLVEMENT

- TEALS Volunteer TA and Teacher for AP Computer Science A courses at 2 Washington High Schools, June 2017 – June 2020
- Department of Computer Science Lean In Circle member and moderator, 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