SERENA ZAMARRIPA

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EDUCATION

University of Texas at Austin

B.S.A Computer Science

Certificate in Digital Arts & Media, Minor in Art History

SKILLS

LANGUAGES

Java, Python, Swift, C, C++, p5.js

WEB TECHNOLOGIES

HTML, CSS, Javascript, React, Wordpress

PROFESSIONAL EXPERIENCE

COMCAST, *SOFTWARE ENGINEER I*   JAN 2021 - PRESENT

- Implements software features for Advanced Security APIs using Java, Spring, and Go as part of the Internet Safety Controls Team
- Leads and participates in weekly production code deployments

DRIFT CREATIVES, *WEB DEVELOPMENT INTERN*   AUG 2020 - NOV 2020

- Implemented designs for client websites using HTML, CSS, Javascript, and Wordpress
- Collaborated with designers and teammates to ensure the final product met the clients' requirements

WALT DISNEY WORLD, *SOFTWARE DEVELOPMENT INTERN*   JAN 2019 - JUN 2019

- Developed Python applications to automate the process of deploying animatronic figures on new systems,
  used in 19 Star Wars figures and 20 Tokyo Disney Beauty and the Beast figures
- Maintained existing software tools for animatronics team and maximized tools' functionality and usability using
  Python and C++
- Assisted in integrating animatronic figures with new computer systems in the theme parks

COMCAST, *SOFTWARE DEVELOPMENT INTERN*   JUN 2018 - AUG 2018

- Developed templates for microservices while working on the Xfinity Home Team using Java, Spring, Vert.x
- Demonstrated persistence and problem solving through troubleshooting both with internal projects and open source projects
- Developed a "presence detector" that utilizes AWS, machine learning, and Xfinity Home devices

PROJECTS

"POCKET GALLERY" IOS APPLICATION, *SWIFT*

- Designed and implemented a mobile application that presents users with a curated gallery of seven fine art pieces weekly
- Spearheaded front-end design and development and backend implementation

"PLAYDATE" IOS APPLICATION, *SWIFT*

- Designed and implemented a mobile application that allows users to find theatre and arts events near them
- Spearheaded the front-end design and implementation process

"CONSERVOCEAN" WEB APPLICATION, *REACT, AWS EC2, POSTMAN*

- Developed an educational online tool that provides information about various types of marine wildlife,
  the bodies of water in which they live, and the impacts of human activities on both.
- Combined data from multiple public APIs into a user-friendly interface, data is also provided
  via the ConservOcean API

MACHINE LEARNING "PRESENCE DETECTOR", *AWS SAGEMAKER, PYTHON*

– Implemented a linear regression algorithm within Sagemaker that used date/time/sequence information from
  home security devices and predicted whether or not a person was in the building at that time
– Trained the machine to respond with 78.8% accuracy

LEADERSHIP & AFFILIATIONS

TEACHING ASSISTANT (TA), *COMPUTER SCIENCE ETHICS*

FRESHMAN MENTOR, *UTCS POD PROGRAM*

LEAD ELEMENTARY MENTOR, *UTCS CODING IN THE CLASSROOM*

OFFICER & PHOTOGRAPHER, *UNIVERSITY THEATRE GUILD*

PARTICIPANT, *GOLDMAN SACHS ENGINEERING ESSENTIALS NYC*