

SOPHIE FOSTER

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602 PARK TERRACE COLORADO SPRINGS, CO, 80903

ENGINEERING EXPERIENCE

THE WALT DISNEY CO. INTERNSHIP | 6/2019- PRESENT

- Tested current UI using Java
- Created dashboard feature for internal Genome tool (video search metadata service) using React and AWS (S3) to find data anomalies
- Integrated MyID single sign on functionality with dashboard using AWS Lambda@Edge, CloudFront and CloudWatch

LOCKHEED MARTIN INTERNSHIP | 6/2017 - 8/2018

- **Summer 2017:** Designed and created internal Lockheed staffing site using HTML, CSS, JavaScript, JQuery, Bootstrap, and limited PHP
- Participated in intern project to program Nerf turret using Raspberry Pi to play life-sized Battleship; created GUI
- **Summer 2018 :** Implemented functionality for missile defense user interface using Java and Java Swing, Maven, ClearCase and Eclipse
- Participated in intern project to program Nerf turret and camera using Arduino to hit given targets of varied colors and shapes using OpenCV image recognition and distinguish cats and dogs using TensorFlow and Keras machine learning algorithms; created GUI

LEADERSHIP EXPERIENCE

UNIVERSITY OF COLORADO STUDENT AMBASSADORS | 2/2017 - PRESENT

- Accepted into competitive ambassador program to give prospective students campus tours and hold events for incoming students

UNIVERSITY OF COLORADO ENGINEERING COUNCIL (UCEC) | 8/2016 - PRESENT | DIRECTOR OF GRAPHICS AND MEDIA

- Design campaigns, manage logos and all graphic design for College of Engineering events supported by UCEC
- Previously Director of Student Organizations
- Represent CU Engineering students to entire student body

ENGINEERING LEADERSHIP PROGRAM | 8/2016 - PRESENT |

EARN-LEARN APPRENTICE | 9/2017 - 5/2018

- Learned effective group work, professional leadership and ethical engineering
- Hired to redesign mentor program entailing research and brainstorming, event planning and platform merging

EDUCATION

UNIVERSITY OF COLORADO BOULDER | 2016 - 2019 | COLLEGE OF ENGINEERING

B.S. Technology, Arts and Media

Computer Science Minor

Engineering Leadership Certificate

Cumulative GPA: 3.6

My Work: sofo1413.github.io

creative.colorado.edu/~sofo1413/dev/

PROGRAMMING SKILLS

- | | | |
|------------------|----------------|--------------------|
| • C++ / C | • JavaScript | • Fluid UI |
| • Java / Swing | • JQuery | • InVision |
| • Python / Flask | • Bootstrap | • Maven |
| • HTML | • Jekyll | • ClearCase |
| • CSS/SCSS | • Arduino | • Eclipse/IntelliJ |
| • React/Node | • Git/ Github | • AFrame IO |
| • AWS | • Raspberry Pi | |

TECHNICAL SKILLS/QUALIFICATIONS

- | | |
|---------------------------|------------------------|
| • Agile Scrum Development | • Tableau Software |
| • Adobe Suite Programs | • DoD Secret Clearance |
| • Microsoft Programs | • Confluence/JIRA |
| • Jupyter Notebooks | • Rhino Software |

STUDENT ORGANIZATIONS

- Global Engineering Residential Academic Program
 - Teaching assistant for IT course
- Young Life
- Council on International Educational Exchange
 - Studied in Berlin and London (Fall 2018)

CURRENT VOLUNTEER WORK

- Young Life: Wyld Life Leader
 - Spend time with middle school girls to walk with them in hardships and celebrate in successes (will serve until May 2020)