

SKILLS

- Technical writing and communication
- Data / Statistical Analysis
- Software Engineering
- Android Application Development
- Front-End Web Development
- Digital Media Creation

PROGRAMMING LANGUAGES

- Java, Python, C++
- SQL, R
- HTML5, CSS3
- *nix, Git

SOFTWARE & TOOLS

- Android Studio
- Adobe Creative Cloud
- Google Firebase
- REST APIs
- Microsoft Office
- Tableau
- WordPress
- R Studio

Code samples and projects can be found online at murphystudebaker.com

EDUCATION

Chapman University

Fall 2015 - May 2019

B.S. Data Analytics

English minor, 3.6 GPA

University of Roehampton

Fall 2016

Semester Abroad in

London, United Kingdom

RELEVANT COURSE WORK

Active Animal | *Mobile Application Prototype*

- Mobile application that encourages users to lead more active lifestyles by emotionally attaching them to a digital pet.
- Designed a multi-modal interface that accommodates users with varying disabilities.
- Researched current academic literature for health-related mobile applications and performed user testing with paper prototypes.

Hogsmeade Reviewer | *Android Application*

- Mobile application that allows users to keep track of Hogsmeade restaurants and update their ratings.
- Loads in data from an XML file in an asynchronous task and implements a custom butterbeer RatingBar.

Haiku the News | *Python Application with API integration*

- Created a program using the Google News API, PyHyphen library, and the Natural Language Toolkit to programmatically turn news headlines into collections of haiku.
- Presented my program and research to interdisciplinary professors at Student Research Day.

PROFESSIONAL EXPERIENCE

Prowl Magazine | *Web Developer*

July 2018—Present

- Increased page load speed from 12 seconds to 1 second and improved search engine optimization.
- Install and maintain new plug-ins for extended functionality.
- Communicate technical information effectively with editorial staff.

ORGANIZATIONS

Society of Women Engineers

Fall 2018—Present

Member

Calliope Art & Literary Magazine

Spring 2017—Spring 2018

Publicity Manager, Editor