Ryan Shim

13 Whitewood Way | Irvine, CA 92612 | ryan.shim@gmail.com | (949) 331-5909
https://www.github.com/ryanshim

OBJECTIVE

Seeking to gain an internship for experience on software development life cycles of applications used within the aerospace industry.

EDUCATION

California State University – Fullerton

M.S. in Computer Science   August 2016 – May 2019

Saint Louis University   Graduated May 2015
B.S. in IT Management

EXPERIENCE

IT Service Desk Intern, January 2015 – May 2015
Saint Louis University – John Cook School of Business, Saint Louis, MO
- Executed tier one support for students and faculty for hardware, software, and network issues.
- Arranged service tickets for follow up service through Remedy software.
- Helped troubleshoot and configure Citrix cloud system for customers with technical difficulties.
- Resolved password resets for customers having trouble logging into the University's systems while maintaining security policies.

DEVELOPMENT EXPERIENCE

Personal Website
- Created a website on a stack consisting of Flask framework, Jinja2 templating, and Bootstrap that has a functioning homepage, projects page, and a contact form.
- Explored frontend/backend development, GET/POST methods, web server setup, and basic system administration duties.
- Currently researching SSL certificates to implement HTTPS.

Satellite Tracker
- Created a wrapper around PyEphem, sgp4, and matplotlib python modules to track satellites.
- Obtains a full catalog of TLE data from the Space-Track API, which is fed into PyEphem and sgp4 functions to calculate observer view direction and state-vectors.
- Outputs azimuth and elevation, relative to user's longitude, latitude, and altitude input.
- Explored basic orbital mechanics, terminology, and propagation methods.

Sunrise and Sundown Time Web Scraper
- Python script in which the program scrapes sunrise and sundown times directly from HTML and writes the data to a CSV file based on user's location input within terminal.
- Explored developmental techniques through the use of built-in functions, list comprehension, and regular expressions.

RELEVANT COURSEWORK

- CPSC 131 – Data Structures and Algorithms
- CPSC 121 – Object Oriented Programming
- ITM 410 – Systems Analysis and Design
- ITM 330 – Database Management Systems

TECHNICAL

Languages: C/C++, Python, Java   Source Control: Git