

Sidney Son

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Education:

University of California, Riverside - Riverside, CA

September 2015 - June 2019

- Bachelor of Science, Computer Science
- Relevant coursework: Data Structures and Algorithms, Machine Learning, Information Retrieval, Virtual Reality

Skills:

Languages: Python, C/C++, Java, C#, Javascript, HTML, CSS

Technologies & Frameworks: Angular, Spring Boot, Bootstrap, Git, Scrum/Agile, Linux, Jupyter Notebook

Projects:

Portfolio Website ([link](#))

- Designed personal website to display projects and allow employers to get to know me
- Using HTML and CSS with Bootstrap to customize layout and animate transitions

Twitter Heatmap ([link](#))

April 2019 - June 2019

- Programmed a Python application that displays a heatmap indicating a high traffic area for tweets
- Implemented tweepy Twitter API, pandas and matplotlib for data manipulation and visualization, and folium to create the map

Web Crawler ([link](#))

March 2019 - June 2019

- Developed a search engine that searches and scores 5GB of scraped .gov web pages based on user search query
- Backend done through Spring Boot, Frontend done through Angular, Webpage scoring done through Lucene for Java

Sunken Arena ([link](#))

March 2019 - June 2019

- Created a fantasy wave-based survival game through the Unity Engine in C#
- Implemented Scrum development framework to implement core features and led team as Scrum Master to meet sprint deadlines

Chess VR ([link](#))

January 2019 - March 2019

- Constructed a Virtual Reality chess game through the Unity Engine and Oculus Rift headset
- Utilized Oculus SDK to track player movement and input through the Oculus headset and motion controls
- Designed C# scripts to implement game mechanics such as player score, and moving chess pieces through Oculus controllers

UCR Shuttle Simulator

April 2018 - June 2018

- Programmed shuttle service simulator that drove UCR students to and from campus using C++ and CSIM libraries
- Assessed efficiency of employing a shuttle service for UCR by analyzing statistics when inputting empirical data into the program

Reddit to Twitter Bot

December 2017 - February 2018

- Developed Python script which scrapes a top post on Reddit.com and tweet the scraped text from a Twitter account
- Implemented the Python libraries BeautifulSoup 4 and Tweepy to scrape web page and tweet from a personal account

Experience:

Marketing/Web Intern

Collective Lifestyle LA INC. - Northridge, CA

June 2016 - September 2016

- Promoted brand through Street Team Ambassador Program by Guerilla Marketing
- Learned online marketing practices and improved website visibility through SEO
- Assisted in managing social media accounts and strategy

Activities and Leadership:

Programming Cabinet, Rush Cabinet

Sigma Phi Epsilon - University of California, Riverside

January 2017 - December 2018

- Promoted social media platform and increased attendance to rush events
- Planned and executed social and philanthropic events in concurrence with other organizations
- Attend lectures and workshops relating to improving leadership, communication, and networking skills