

Talha Khan

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Education

University of South Florida

B.S. in Computer Science with Honors
September 2016 – present

GPA: 3.4
expected December 2020

Relevant Coursework:

- Data Structures
- Database Design
- Program Design
- Analysis of Algorithms
- Probability and Statistics
- Computer Organization
- Object Oriented Design
- Mobile Software Design
- Social Media Mining

Skills

Languages: Python, C++, SQL, HTML, CSS, Bash, LaTeX

Technologies: Django, Git, MySQL, Firebase, GIMP, Adobe Premiere Pro, Adobe Photoshop

Operating Systems: Unix/Linux, Windows, Android

Experience

RedPerit, Tampa, FL
IT Intern

February 2018 – April 2018

- Improved day to day workflow by integrating Python functionality into the CRM to validate and import client data from an external database.
- Optimized CRM system with custom modules based on company needs, including users, groups, financial providers, etc.
- Collaborated with sales team to establish procedural techniques that were integrated into the primary sales pipeline.

Projects

DataFuse Python, Django, NGINX, REST, HTML, CSS

- Web application that scrapes websites and presents information in consumable manner.
- Integrated API's for Reddit, CNN, Yahoo, etc and designed RESTful API for simple querying.
- Implemented web scraping for alternative sources and extracted relevant information.
- Designed web interface and parsed data from multiple sources for optimal information feed.

Grouper Java, Firebase, SQLite

- Android application for collaborative task completion. Tasks are initiated by group members and can be assigned a location, user, and specific instruction.
- Designed and integrated NoSQL database for storage of user and group information.
- Integrated Google Maps API to utilize waypoints for individual tasks.

Zombify Python, PyGame

- 2D survival game where players must persevere against increasing waves of zombies.
- Developed custom physics for objects in game, such as parabolic jumping, vector-based bullet rotation and aiming, and slow motion traversal.

Latarax Assistant Python

- Voice activated virtual assistant application which triggers after a specified keyword is spoken.
- Integrated support for local commands as well as Wolfram Alpha queries for relevant requests.

Additional Information

Languages: English, Urdu

Skills: Videography, video editing, photography, photo manipulation