

MOHAMMAD QURESHI

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in mquresh1

SUMMARY

Recent graduate seeking a Software Engineering position to develop skills and experience. Knowledgeable in object-oriented programming with a specialization in Information. Motivated and excited to apply current knowledge and willing to learn new technologies. Can work successfully in team and solo environments.

EDUCATION

University of California, Irvine
B.S. in Computer Science, June 2017
GPA: 3.27

PROJECTS

Fabflix Movie Website

- Fabflix is an e-commerce interface allowing customers to browse/search for movies, add movies of interest to their cart, and checkout
- Developed across the stack from HTML front-end to using JDBC calls to communicate to the back-end database
- Used cloud services such as AWS for hosting and Apache Tomcat for deployment

Reddit Title Generator

- Created titles for Reddit posts based on their comments
- Extracted and organized hundreds of post and stored as JSON files
- Created relations between comments using similarity function to find key words
- Wrote detailed documentation outlining the process and reported on metric results from user studies

Search Engine

- Created a complete search engine in Python using BeautifulSoup for HTML parsing
- Constructed an inverted index by utilizing over 38,000 crawled links from the ics.uci.edu domain, containing over 800,000 unique words total
- Utilized numerical statistics such as TF-IDF and query independent measurements such as PageRank to optimize precision and recall of resulting links

SKILLS

LANGUAGES: Python, Java, C++, C

TOOLS: Git, Vim, Eclipse, MySQL

OTHER TECHNOLOGIES: HTML, CSS

EXPERIENCE

CS Lab Tutor

Spring 2016

- Tutored for a quarter for an introductory Python course
- Conveyed ideas for programming assignments to students new to programming
- Built foundations for problem solving and good coding habits

RELEVANT COURSE KNOWLEDGE

- Analysis of Algorithm and Data Structures
- UNIX Shell Scripting
- Principles of Operating Systems
- Parallel and Distributed Systems