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OBJECTIVE

Seeking internship/co – op opportunity which can help me apply and evolve the knowledge I gained through the academic coursework.

EDUCATION

Master of Science in Computer Science

December 2017

California State University, Long Beach (CSULB)

GPA: 3.28 / 4.0

Coursework: Analysis of Algorithms, Operating Systems, Mobile Application Development, Artificial Intelligence, Constraint Programming, Modelling and Simulation, Object Oriented Analysis and Design.

Bachelor of Engineering in Information Technology

May 2013

Vidya Pratishthan's College of Engineering(VPCOE), University of Pune, India

Percentage: 62.93 / 100

TECHNICAL SKILLS

Languages: C, C++, Java, R, Python, jQuery, JavaScript

Designing Tools: Pencil 2.0.5, Mockplus, Photoshop

Web Services: Restful Web Services (REST)

Web Technologies: HTML5/CSS3, Bootstrap

Databases: MySQL, SQLite, Oracle 10g, MS-access

Methodologies: UML, Agile, Singleton

Tools and IDE's: Android Studio, Dreamweaver, NetBeans, IntelliJ, RStudio.

Content Management Systems(CMS): WordPress

Operating Systems: Windows, Linux, Ubuntu, Mac

Version Control System: GitHub

PROJECTS

Japanese Puzzle Solver: Slitherlink solver

- Selected the Japanese puzzle – slitherlink to create a solver for it under the coursework Constraint Programming.
- Implemented the solver in Java using the IntelliJ tool to read through the matrix input, convert it into a constraint satisfaction problem, and provide a solution to the puzzle.
- Developed arc-consistency solution to solve any possible puzzle from 3x3 to 11x11 matrix input.
- Constraint propagation approach was selected to migrate the constraints to find the optimal solution.
- Contributed in algorithm development, code implementation, puzzle creation, white box testing.

Android application: MIWOK

- Created an android application using android studio 2.2.3 using Java and XML to learn MIWOK language.
- Android component like the relative layout, list view, custom array adapter, view recycling, fragments media player, audio focus are used to design and develop this application.
- The application provides complex information in simple form through android application to make it easily accessible to everyone.

Data Mining: Search Engine Optimization

- Designed the user interface for the search engine using Bootstrap/HTML5/CSS3 to allow the website access on different devices like desktop, mobile devices using windows 10, android OS, IOS.
- Used Java to integrate the google crawler to retrieve the search results from google server.
- Retrieved top 10 web links for the search keyword through the score calculation of each link.
- Collaborated with two colleagues throughout the project lifecycle to discuss and distribute the task as well as to merge the individual modules to create the final project.