Tony Salim

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EDUCATION

University of California, San Diego— **GPA 3.7**   Expected Graduation on **DEC 2017**
Bachelor of Science, Computer Science

Relevant Coursework: Software Engineering, Data Science, Modeling & Data Analysis, Operating Systems, Machine Learning, Web Interaction Design

Pasadena City College, Pasadena—   **GPA 3.7**   Graduated on **May 2015**

PROJECTS

Mindlee – Mindfulness Web App   *(2017)*   `NodeJs, Express, Frontend`
  → A mobile web app that manages user stress level and notify user when their stress reaches critical threshold.
  → Designed a responsive front-end interface with AJAX, w3 and Express API.

CoupleTones – Android *Geolocation*   *(2016)*   `Java, Android,Firebase,JIRA`
  → Developed an app that tracks user's location and notifies other users of their favorite location and proximity to the location
  → Implemented the backend with Firebase and Google Messaging API to store locations and allow networking capabilities

***Knowledge Retaining* Chatbot**   — *AI*   *(2015)*   `C++, Qt, SQLite`
  → Designed and implemented natural language processing toolkits such as lexical analysis, and parsing libraries in C++
  → Implemented database to support the application with Qt framework and SQLite
  → Designed a command line chat bot that can answer questions based on given facts during the conversation

Puzzle Solver — *AI, Simulation*   *(2015)*   `C++, Qt, OpenGL`
  → a N-dimensional sliding puzzle solver that uses A* graph search algorithm with customized heuristic method to find the most optimal path to solve board configurations and animate the resulting path.

EXPERIENCE

University of California, San Diego — Computer Science *Tutor*   Fall 2016
  • Courses: CSE 103 - Probability and Statistics
  • Assist students in learning foundational knowledge in statistics, such as counting, probabilities, inferential statistics and models.

Pasadena City College, Pasadena— Computer Science *Tutor*   2014/2015
  • Courses: C++ and Object Oriented Design, and Data Structures
  • Assist students in learning foundational knowledge in programming with features in C++ and implementing various data structures.

SKILLS

Proficient:
C · C++ ·Python

Familiar:
Java ·
JavaScript ·
Assembly ·
Bash ·
Awk ·
Lua ·
Ruby ·

Tools:
Git ·
Vim ·
GDB/Valgrind ·
Linux ·
SQLite ·
PostgreSQL ·
Qt ·
Android ·
Ant ·
Firebase ·
CircleCI ·

AWARDS

Dean's Honor (2013-2015)

Honors in Mathematics (2015) awarded by Pasadena City College

Basic Level Certification (2015) awarded by National Tutoring Association