

ALVIN DANTIC

(562) 485 - 8133 • dantica@uci.edu • LOS ANGELES, CA

EDUCATION

University of California, Irvine: B.S. Computer Science (GPA: 3.4)

- *Relevant Coursework:* Fundamental Data Structures, Database Management Systems, Principles of Operating Systems, Artificial Intelligence, Algorithm Design and Analysis, Computer Organization, Computer Networks, Information Retrieval, Software Design, Software Testing and Quality Assurance, Concepts in Programming Languages

TECHNICAL SKILLS

- *Programming Languages:* Python, C/C++, Java
- *Web Technologies:* HTML, CSS
- *Database:* MySQL
- *Operating Systems:* Mac OS, Linux, Microsoft Windows
- *Software/Tools:* Microsoft Visual Studio, XCode, Eclipse, Git, Vim, lldb, gdb

PROJECTS

Othello

May 2014 - June 2014

- Developed an Othello application
 - Used the concept of game trees to control difficulty level
 - Learned the fundamentals of game theory and graphical user interface design
- Technologies/Tools:* Python, IDLE

Sudoku Solver

Jan 2016 - March 2016

- Developed an AI that solves Sudoku puzzles
 - Learned how puzzles can be modeled as constraint satisfaction problems
 - Studied how different heuristics can be used to optimize performance
- Technologies/Tools:* Java, Eclipse

Web Crawler and Search Engine

Feb 2016 - March 2016

- Created a web crawler that crawls and stores pages reachable from a specific domain
 - Constructed an inverted index from previously crawled pages
 - Built a corresponding search engine that returns pages according to a relevance score
- Technologies/Tools:* Java, Eclipse, Json

Text File Compressor/Decompressor

May 2016 - June 2016

- Developed a compression program to reduce text file size
 - Implemented the LZ77 algorithm to achieve compression
 - Learned about different types of lossless data compression algorithms
- Technologies/Tools:* C++, XCode, lldb

CO-CURRICULAR ACTIVITIES

- Github profile (<https://github.com/alvin562>)
- Active Problem Solver on hackerrank.com (<https://www.hackerrank.com/alvindantic562>)