CHRISTOPHER YIE LAM

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EXPERIENCE

Software Engineering Intern - GIAC *(June 2016 - September 2016)*
- Assist senior engineers with projects involving software GUI applications
- Assisted in development of company website and newsletter user interface
- Maintain lab notes and present progress on projects to engineering staff

C++ Lab Tutor - UC Irvine *(March 2016 - June 2016)*
- Assisted students in educating fundamental concepts and debugging code in C++
- Developed and produced a pedagogical item for publication and student use
- Performed quality control on teaching materials to ensure correctness and consistency

TECHNICAL EXPERTISE

Languages: Java, C++, HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, SQL
Software Tools: Github, Qt, Eclipse, Vim, Sublime Text, mySQL Workbench

PROJECTS

Portfolio Website (christopherylam.github.io)
- Responsive website developed with HTML, CSS, JavaScript, and jQuery
- Showcases simple information about me including skills, experiences, and projects

Mood Tracker Website (yourmood.me)
- Responsive static web application developed with Bootstrap, JavaScript, and jQuery
- Designed for children to log their moods using various methods and for parents to monitor children's behavior to help diagnose health problems and track treatment progress

Open Kitchen - Project Manager
- Led a team of five in developing a website from team formation to final product release
- Managed organization of team and progress of project by producing gantt charts, assigning work to members, hosting meetings, and making informative decisions about the project
- Composed specification document, business plan, and UI mockups with help from team

Data Structures - Location Mapping
- Determines the shortest distance and times between any pair of given locations
- Implemented using maps, classes, lists, depth first search, Dijkstra's algorithm, and queues
- Created Google unit tests that examines and evaluates the accurateness of program

AI Game
- Developed an AI that competitively participates against users or other AI's in Othello
- Utilizes C++ recursive functions and heuristic search algorithm to attempt to achieve maximum wins

Encryption and Decryption
- C++ program that takes any input file and encrypts/decrypts/parses the message given a specified key value

EDUCATION

Bachelor of Science Degree - Software Engineering *(June 2017)*
University of California, Irvine | **GPA:** 3.6
- **Relevant Coursework:** Programming in C++ and Java, Data Structure Implementation and Analysis, Software Design, Req. Analysis and Engineering, Data Management, Design and Analysis of Algorithms, User Interaction Software