Jason Bugallon

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Objective

I am a fourth year computer science major and I am actively pursuing a full-time new grad/junior software engineering position for after I graduate this December. I'm mostly interested in positions that work with either the backend or frontend or both.

Education

University of California, Irvine / Pursuing B.S. in Computer Science
September 2016 - Present | 3.67 GPA, Graduating December 2019

Relevant Coursework (Completed**):**

Software Libraries (Python), Intermediate Programming (Python), Programing in C/C++, **Data Structures Implementation and Application (C++)**, Structured Computer Organization (C and x86 Assembly), **Principles in System Design (C Programming, Multithreading, BASH scripting)**, **Data Management (mySQL)**, Software Testing and Quality Assurance, **Algorithms,** Operating Systems, Project in Operating Systems

Skills

Programming Languages: Python, Javascript, C++, Java, C

Frontend: HTML5, CSS3, React, Angular

Backend: Express/Node.js, mySQL, MongoDB, Firebase

Other Technologies: Git/Github, Unix

Experience

University of California, Irvine/ Lab Tutor
January 2018 - March 2018
- Tutored students in an intermediate C++ programming class, communicated various key programming concepts, such as inheritance and memory utilization, and guided them through challenging programming assignments.
- Received a total average tutor evaluation score of 8.57, 1.14 higher than the class total tutor average of 7.43.

Projects

Fabflix
- Designed and developed an IMDb-like movie full stack web application utilizing HTML, CSS, Javascript for the frontend and Tomcat Java for the backend and mySQL as the database.
- Utilized an AWS EC2 Ubuntu virtual server with Apache2 to host the web application and used techniques such as separate Master/Slave mySQL databases on different instances and load balancing to scale the web application.
- Supported user authentication, password encryption, user transactions, advanced searching and browsing, user sessions.
- Also developed a simple android app with React Native which implemented a small subset of the web app and interacted with the backend

UCI ICS Search Engine
- Designed and implemented a search engine which used a portion of the ics.uci.edu as a subdomain to create an inverted index in order to search against.
- Utilized React.js for the frontend, Node.js for the backend, mySQL to store the inverted index, and python to parse the ICS subdomain corpus in order to create the inverted index and store it into a mySQL database.

Awards

- Dean's list - 7 quarters