Jason Bugallon

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EDUCATION

University of California, Irvine   Irvine, CA
Bachelor of Science in Computer Science   *Sep. 2016 – Dec 2019*

- **GPA:** 3.7/4.0
- **Honors:** Dean's List (8 quarters)
- **Course Highlights:** Data Structures, Software Testing and Quality Assurance, Algorithms, Operating Systems, Machine Learning, Databases, Linear Algebra, Security

EXPERIENCE

Undergraduate Lab Tutor   January 2018 – March 2018
University of California, Irvine   *Irvine, CA*

- 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 | *HTML, CSS, Javascript, Java, mySQL, AWS, Git*

- 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
- Developed a simple android app with React Native which implemented a small subset of the web app and interacted with the backend

Sleep Tracker | *Javascript, Ionic, Git*

- Designed and implemented a sleep tracker mobile application that logged peoples' sleep during the night and their level of sleepiness during the day
- Utilized Angular Ionic to create this app and the built-in Ionic storage as the database to keep track of user information

UCI ICS Search Engine | *Javascript, Python, mySQL, React*

- 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

TECHNICAL SKILLS

Languages/Markup: Java, Python, C/C++, JavaScript, HTML5/CSS3
Frameworks/Backend: React, Node.js/Express, mySQL, MongoDB, Firebase
Other: Git/Github, Google Cloud Platform, Amazon Web Services