Rhythm Mecwan

Software Engineer

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CAREER OBJECTIVE To obtain an entry-level position as a software engineer to enhance understanding by creating, testing, maintaining, and designing different types of software.

RELEVANT EXPERIENCE

Data Structures Teaching Assistant @ San Diego State University

Oct 2017 - Present // San Diego, CA

> Lead TA office hours 10 hours a week and assisted the professor in grading and explaining of core concepts to undergraduate students

> Mentored students in their design and implementations of Linked Lists, Stacks, Queues, Hash Tables, Balanced Trees in Java

Student Network Technician @ San Diego State University

Mar 2016 - Oct 2017 // San Diego, CA

> Managed CISCO data communications network throughout the university campus and configured CISCO and Alcatel switches to provide Wi-Fi throughout the campus

Software Development Intern @ Sharp Healthcare

June 2017 - Aug 2017 // San Diego, CA

> Worked with the development of the Continuous Network Discovery Project that focused on constantly updating the Sharp network database to maintain a current inventory of all the servers and web applications used within

> Developed secure web applications using Java, MyBatis, JSON, XML, and Maven. Developed working knowledge on XML technologies and gained elementary experience in using the Object Relational Mapping tool

Computer Science Grader @ San Diego State University

Aug 2017 - Dec 2017 // San Diego, CA

> Graded assignments of graduate students in their web application projects that integrated CSS, JavaScript, client-side and server-side scripting, and SQL database systems.

RESEARCH EXPERIENCE

Bioinformatics Research Assistant @ Edwards Lab, San Diego State University

Jan 2016 - Mar 2018 // San Diego, CA

> Explored relationships between bacteriophage genomes by counting kmers using python and c

> Extracted DNA and proteins sequences by pulling out sequences from fasta files and making tuples of the bacteriophage and corresponding ID to identify the connection

VOLUNTEERING EXPERIENCE

Lab Volunteer @ San Diego State University

Oct 2016 - Present // San Diego, CA

> Assisted undergraduate students with debugging, solution testing, and implementing classroom code

Technology Chair @ San Diego State University

Aug 2015 - Dec 2017 // San Diego, CA

> Managed all social media platforms of the Residence Hall Association, including the website, Instagram, Facebook, and Twitter

> Chair officer on a board of seven other chairs and nine hall council presidents

> Assisted in running bi-monthly meetings and leadership retreats and put on programs for all students living in the residence halls

SKILLS

Programming Languages
Java, C, Assembly, SQL, JavaScript, Python

Libraries & Frameworks
Jekyll, React Native

Tools & Platforms
Bash, Git, Gulp

Hardware
Raspberry Pi 2, ADXL 345 Accelerometer

EDUCATION

San Diego State University
Aug 2015 - May 2019 // San Diego, CA
Bachelor of Science in Computer Science
GPA: 3.7
Relevant Courses: Web applications, Database and Theory Implementation, Computer Security, Systems Programming, Data Structures, Computer Architecture

PROJECTS

BonAppétit
Full stack web application that recommends users restaurants in their specified radius using the Yelp API and logs all visited restaurants in a SQL database.

Sports Impact Monitor
Device that measures impact force and pressure force of target objects using ADXL 345 accelerometer and a raspberry pi written in python. Features include calculation of acceleration in a graph view and email notification using Twilio.

AWARDS

Dean's List // San Diego State University
Fall 2015 - Spring 2017

INTERESTS

Hiking, travelling, reading