

Ejmin Mehranian

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EDUCATION

COMPUTER SCIENCE AND MATHEMATICS B.S

Graduated June 2019

University of California, San Diego, La Jolla, CA



Coursework:

Basic and Advanced Data Structures with C, C++, Java • Software Engineering • Computer Organization and System Programming • Principles of Computer Operating Systems • Theory of Computation • Programming Languages • Discrete Mathematics • Design/Analysis of Algorithm • Numerical Analysis and Approximation • Statistics • Combinatorics • etc.

WORK EXPERIENCE

AMERICAN EXPRESS (AMEX), Software Engineer Intern

June 2019-August 2019



- Implemented gift card redemption component using React/Redux and Node.js, to allow customers purchase gift cards from their transaction history details
- Currently working on improving the back-end to expand the project for better user experience
- Implemented a component using React/Redux with Google maps to display the location of customers purchase history
- Big exposure to agile methodology. Used Jira for project management and issue tracking
- Features will be deployed to production in the upcoming weeks and will be accessible by 14 million+ customers

IBM, Part time Software Engineer at IBM Watson and Cloud Platform

June 2018-June 2019



- Developed a command-line interface(CLI) plug-in in Go for the IBM Cloud Object Storage
- Implemented fundamental persistent storage features into CLI using the Amazon AWS Go SDK
- Modified the AWS Go SDK fork to support IAM-based authentication for IBM Cloud users
- CLI allows users to interact with COS services more efficiently and have extra features such as multi-part upload/copy/download and archiving which are not provided with the UI
- Worked with Python on automating cloud object storage health checks, utilization statistics and generating reports to find major bugs and issues in all data centers across the world

ANOUSH DANCE STUDIO, Software Engineer

May 2017 - Present

<http://www.anoushdance.com>



- Constructed a Java and Python program using IText5 API to generate electronic registration forms and integrate Topaz signature pad for customer signatures for electronic payment methods
- Currently converting project to React using Node.js, Express, Redux, MongoDB and Mongoose
- Application is being utilized to serve 300+ customers per month

UCSD CSE DEPARTMENT, Tutor

March 2017 - September 2018



- Elaborated concepts in Object Oriented Programming, Basic Data Structures (linked list, hash table, array based stack, and balanced binary tree), Unix, Git, bash scripting, debugging tools such as gdb, and Vim commands to help students understand the material better
- Analyzed and debugged student written code to help students improve code quality

PROJECTS

AUTOGRADER, Programming Team Member

March 2016 - March 2017

<https://autograder.ucsd.edu/>



- Used by 1800+ UCSD CS students for homework grading and connecting with tutors
- Established time notification table informing tutors about their work progress
- Developed news feed notification tool for students and instructors on new features and updates
- Used Play Framework in Java for all backend and frontend development.