

Alireza Alampour

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EDUCATION

California State University State University

- B.S in Computer Science

Experience

METALab

June 2018 - Immersive program

- Beginner level development of full stack websites using Laravel Framework and MySQL
- Agile work environment principles and Communication practices between developers and product owners

PROJECTS

Dzerk— *Embedded Project*

- Designed and built wireless game controller
- Architected with Arduino Uno and Unity
- Developed controller using Arduino Bluetooth module
- Allows user to play unity made game wirelessly via controller

EyeCandy— *Website/App*

- Designed as Multiplatform AR app and website
- Architected website using MongoDB, Angular, Express, Nodejs.
- Developed app using Flutter framework
- Allows users to view 3D models of desired food by scanning QR code to access the restaurant's menu.

Algorithm Visualizer *Processing 3 (Java)*

- Algorithm Visualizer created in Java using Processing open-source graphical library and IDE
- Project follows Object-oriented concepts and practices
- Users have the choice of visualizing Merge, Bubble, Heap, Insertion, Selection and Quick sort.

Matrix Calculator- Java

- Matrix calculator created in Java using Object-oriented approach
- Allows users to create matrices with different dimensions.
- Addition, subtraction and dot-product of the input matrices are calculated using lambda expressions and Java streams.
- Outputs are newly created instances, immutable code and functional programming concepts

Programming Languages

Javascript
Java
C
Python
Dart
TypeScript

Frameworks/ Libraries

Angular
MongoDB
Mongoose
NodeJS
Express.JS
Laravel
Bootstrap
Flutter
Tesseract.js
Arduino Uno

AWARDS

Dean's List

2016-2020

College of Engineering
and Computer Science
Scholarship award

2018-2020

TOOLS

Git
Photoshop
Lightroom
Android Studio
Processing
Unity
Arduino Bluetooth Shield