

# 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  
ExpressJS  
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