

# Victor Dadfar

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## EDUCATION

### JOHNS HOPKINS UNIVERSITY

BS IN BIOMEDICAL ENGINEERING

MINOR IN COMPUTER SCIENCE

Whiting School of Engineering

Expected Dec 2018 | Baltimore, MD

Cum. GPA: 3.6

### MORRIS HILLS HIGH SCHOOL

Grad. May 2014 | Rockaway, NJ

## LINKS

Github:// [Vicmart1](#)

LinkedIn:// [vicmart7](#)

## COURSEWORK

### BIOMEDICAL ENGINEERING

Systems Bioengineering I + II

Medical Imaging Systems

Introduction to Biophotonics

Design Team

### COMPUTER SCIENCE

Intermediate Programming

Data Structures

Computer Vision

Introduction to Java

(Teaching Assistant)

## SKILLS

### PROGRAMMING

Seasoned:

Java • Python • Swift (iOS) • JavaScript

CSS • HTML

Experienced:

C • C++ • Objective-C • MatLab •

Android • Basic • OpenGL

Familiar:

R • PHP • CudaTools • Node

### MISCELLANEOUS

Qualities:

Leadership • Public Speaking • Product

Development • Organization

Platforms:

Eclipse • Xcode • Android Studio • Unix

Arduino

Areas of Expertise:

Web Development • Data Visualization •

Computer Graphics • UI Design

## EXPERIENCE

### PHONEFIT | FRONT-END SOFTWARE DEVELOPER INTERN

Dec 2016 – Current | Philadelphia, PA

- Designed and implemented UI solutions for the company's premier iPhone App

### OCHO TECH | LEAD FRONT END DEVELOPER

Mar 2016 – Current | Baltimore, MD

- Conducted over 400 user studies to target a solution landscape and product vision
- Developed an app to leverage social connections among patients and in order to improve medication adherence and provide verification data for physicians

### FUERZA STRATEGY GROUP | LEAD WEB DEVELOPER

Dec 2016 – Current | Kinnelon, NJ

- Designed and developed the company's lead site from scratch.
- Perform monthly maintenance, ensuring information is up to date and site is stable

## RESEARCH

### I-STAR IMAGING LAB | UNDERGRADUATE RESEARCH

Feb 2016 – Sept 2016 | Baltimore, MD

- Researched and tested a cutting-edge workflow for surgical tracking involving minimal marker contact while maintaining tracker accuracy
- Designed first-of-a-kind custom surgical tracking markers with unique three-dimensional shapes to be used in both infrared and radiographic tracking

### ENGINEERING WORLD HEALTH | PRODUCT MANAGER

Nov 2014 – Dec 2016 | Baltimore, MD

- Lead a multidisciplinary team of engineers and pre-medicine students to conduct background research, prototype creation, and product testing
- Designed a low-cost labor monitor device for developing countries

## PROJECTS

### STOCKPORT | OCHO TECH

Jan 2017 | Baltimore, MD

- While self-learning Swift, wrote a simple trivia game with a minimalistic UI/UX
- Published to the app store, can be found [here](#)

### PITCH PLATFORM | MEDHACKS HACKATHON

Sept 2016 | Baltimore, MD

- Designed and developed a centralized platform for hackathon project ideas
- Created a scalable database-driven solution, utilizing the Parse Server API and an intuitive design language for a seamless user interface

### BASIC OBJECT TRACKING ALGORITHM | MODELING AND DESIGN

Nov 2014 | Baltimore, MD

- From minimal exposure to Computer Vision Algorithms, leveraged power of the OpenCV package in python to write a basic object recognition and tracking algorithm in under one week