

Victor Dadfar

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Biomedical engineer with a passion for front-end design & development

EDUCATION

JOHNS HOPKINS UNIVERSITY

BS IN BIOMEDICAL ENGINEERING

MINOR IN COMPUTER SCIENCE

Whiting School of Engineering

Expected May 2018 | Baltimore, MD

Dean's List

MORRIS HILLS HIGH SCHOOL

Grad. May 2014 | Rockaway, NJ

LINKS

Github:// **Vicmart1**

LinkedIn:// **vicmart7**

COURSEWORK

BIOMEDICAL ENGINEERING

Systems Bioengineering I + II + III

Stats Mechanics and Thermodynamics

Medical Imaging Systems

Biophotonics

Design Team (3x)

COMPUTER SCIENCE

Computer Integrated Surgery I + II

Computer Vision

Data Structures

Intermediate Programming

Introduction to Java (Teaching Assistant)

SKILLS

PROGRAMMING

SEASONED

Java • Python • Swift • JavaScript •

HTML/CSS

EXPERIENCED

C • C++ • Objective-C • OpenGL •

MATLAB • Basic

FAMILIAR

PHP • CudaTools • R

PLATFORMS/APIs

Ionic • Xcode • Arduino • Eclipse •

Android Studio • Visual Studio • jQuery

STRENGTHS

TECHNICAL

Web & Mobile Development • UI/UX

Design • Medical Imaging •

Computer Graphics

NON-TECHNICAL

Leadership • Product Management •

Problem Solving • Client Relations

EXPERIENCE

DELOITTE | FEDERAL BUSINESS TECHNOLOGY SUMMER SCHOLAR

Amtrak Mobile Rider App | May 2017 – August 2017 | Washington, DC

- Developed a redesigned Amtrak mobile app to replace the existing apps on iPhone and Android
- Implemented several new features into the app, created dozens of bug fixes, and performed QA testing
- Designed and developed an Apple Watch companion app prototype
- Gained experience with large-scale Agile development and the Ionic framework

CBID : CENTER FOR BIOENGINEERING INNOVATION AND DESIGN | DESIGN TEAM LEADER

Novel CED Cranial Implant | Jan 2017 – Current | Baltimore, MD

- Leading a multidisciplinary team of engineers and pre-medicine students to conduct background research, stakeholder interviews, needs statement creation, solution landscaping, prototype creation, and product testing
- Engineering a novel cranial implant for drug delivery directly to the surface of the brain through Convection Enhanced Delivery or an alternative technology

FUERZA STRATEGY GROUP | LEAD WEB DEVELOPER

Various Projects | Dec 2016 – Current | Kinnelon, NJ

- Designed and developed the firm's landing website and all of its solutions
- Working with clients to create digital solutions for their organizations and campaigns, increasing awareness of their causes

OCHO TECH | LEAD SOFTWARE DEVELOPER

PillPal & Stockport | Mar 2016 – August 2017 | Baltimore, MD

- Conducted over 400 user studies to target a solution landscape/product vision
- Designed and developed PillPal, an iPhone app leveraging the social connections among patients in order to improve medication adherence and provide verification data for physicians
- Created StockPort in a weekend while learning Swift, available here
- JHU Business Plan Competition Finalists, April 2017

I-STAR IMAGING LAB | UNDERGRADUATE RESEARCHER

Novel Work Flow for Surgical Tracking | Feb 2016 – Sept 2016 | Baltimore, MD

- Researched and tested a cutting-edge work flow 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

PROJECTS

PHONEFIT | FRONT-END SOFTWARE DEVELOPER INTERN

Dec 2016 – May 2017 | Philadelphia, PA

FETAL HEART-RATE MONITOR | PROJECT MANAGER

Dec 2014 – Jan 2017 | Baltimore, MD

CONTRACEPTIVE IMPLANT TRAINING TOOL | ENGINEER

Nov 2014 – May 2015 | Baltimore, MD