

Victor Dadfar

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

EDUCATION

JOHNS HOPKINS UNIVERSITY

B.S. 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

Systems & Controls

Molecules & Cells

Design Team (3x)

COMPUTER SCIENCE

CS Innovation & Entrepreneurship

Computer Integrated Surgery I + II

Computer Vision

Data Structures

Intermediate Programming

Introduction to Java (Teaching Assistant)

SKILLS

PROGRAMMING

LANGUAGES

Java • Python • Swift • JavaScript •

HTML/CSS • C • C++ • Objective-C •

OpenGL • MATLAB • Basic

PLATFORMS/APIs

Ionic • AngularJS • React • 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 using the Ionic framework
- Participated in client meetings and weekly demos, improving presentation skills
- Designed and developed an Apple Watch companion app from scratch
- Gained extensive experience with large-scale Agile development

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 to conduct background research, market analysis, solution landscaping, prototype creation and testing
- Engineering a novel cranial implant employing Convection Enhanced Delivery for direct therapeutic treatment to tumor sites in the brain

FUERZA STRATEGY GROUP | LEAD WEB DEVELOPER

Various Projects | Dec 2016 – Current | Kinnelon, NJ

- Designed and developed the firm landing site and currently oversee all projects
- Working with clients to create digital solutions for their organizations and campaigns, increasing awareness of their causes

OCHO TECH | LEAD SOFTWARE DEVELOPER & WEBMASTER

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 social connections among patients in order to improve medication adherence and provide verification data for physicians
- JHU Business Plan Competition Finalists, April 2017
- Created StockPort in a weekend while learning Swift, available here

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

JHU DEPARTMENT OF COMPUTER SCIENCE | COURSE ASSISTANT

Introduction to Java | Sept 2015 – Jan 2017 | Baltimore, MD

PROJECTS

PHONEFIT | FRONT-END SOFTWARE DEVELOPER INTERN

Dec 2016 – May 2017 | Philadelphia, PA

MEDHACKS | WEBMASTER

May 2016 - Oct 2016 | Baltimore, MD

ENGINEERING WORLD HEALTH | PROJECT MANAGER

Fetal Heart-rate Monitor | Dec 2014 – Jan 2017 | Baltimore, MD

CBID | DESIGN TEAM ENGINEER

Contraceptive Implant Training Tool | Nov 2014 – May 2015 | Baltimore, MD