Victor Javid Dadfar

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Education

Bachelor of Science; Major in Biomedical Engineering, Computer Science
Johns Hopkins University, Baltimore, MD
- Dean's List (3.5 GPA or above) All Semesters

2014 - 2018

Skills

Programming: C/C++, Java, HTML/CSS/JavaScript, Objective-C, Python/CudaTools
Platforms: Eclipse, Matlab, Xcode, Android Studio, Unix, Arduino
Areas of Expertise: Web Dev, Data Processing, Computer Graphics, UI Design
Skilled in: Leadership, Programming, Public Speaking, Product Development

Research

Lead Front-End Developer – Center for Bioengineering Innovation and Design
Faculty Advisor: Dr. Robert Allen, Johns Hopkins University
- Conducted over 400 user studies to target a solution landscape and product vision
- Working with a committee of experts in the fields of Medicine, IP Law, Health Informatics, and Software Engineering
- Developing a brand-new platform to allow physicians to verify medication adherence for Coronary Artery Disease patients

Mar '16– present

Project Manager – Engineering World Health
Johns Hopkins University
- Lead a multidisciplinary team of engineers and pre-medicine students to conduct background research, prototype creation, and product testing
- Designing a low-cost labor monitor device for developing countries to preemptively alert mothers of possible complications and allow them to seek proper medical care in a timely manner

Nov '14- present

Research Assistant - I-STAR Imaging Lab
Faculty Advisor: Dr. Jeff Siewerdsen, Johns Hopkins Medicine
- 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

Jan '16- Sept '16

Work

Full-Stack Developer – Online Research and Internship Database (ORID)
Advisor: Dr. Eileen Haase, Johns Hopkins Department of Biomedical Engineering
- Developing an intuitive searchable and scalable database of research positions accessible to Hopkins students, allowing them to browse and apply for available positions instantly

Jul '16– present

Course Assistant – Introduction to Programming
Professor: Mrs. Joanne Selinski, Johns Hopkins Department of Computer Science
- Introduce inexperienced students into programming with Java

Sept '15- present

Projects

Object Tracking Algorithm, *Freshman Modeling and Design Team*
- Had no prior experience with Computer Vision Algorithms or Python
- Wrote an OpenCV algorithm to automate the process of tracking objects by using unique identifiers and adapt as object motion fluctuated

Dec '14

Distribution Platform for Project Ideas, *Medhacks Hackathon*
- Tasked with designing and developing a centralized platform for hackathon project ideas
- Created a scalable database solution, utilizing the Parse Server API and an intuitive design language for a seamless user interface

Aug '16

Leadership

Design Team Leader, *Engineering World Health*
Lead Web Developer, *Medhacks Hackathon*
Founding President, *Hackerlab*