Victor Javid Dadfar

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Education

Bachelor's of Science; Major in Biomedical Engineering, Minor in Computer Science
Johns Hopkins University, Baltimore, MD – Grade Point Average: 3.66
- Dean's List (3.5 GPA or above) All Semesters

2014 - 2018

Skills

Languages: C/C++, Java, HTML/CSS/JavaScript, Objective-C, Python/CudaTools
Software Platforms: Eclipse, Matlab, Xcode, Arduino, Unity, Android Studio, Unix, Parse
Areas of Expertise: Web Development, Computer Graphics, UI Design
Summary: Leadership, Public Speaking, Research and Development

Research

Design Team – Center for Bioengineering Innovation and Design
Research Intern– Programmer
Faculty Advisor: Dr. Robert Allen, Johns Hopkins University
- Conducted over 400 user studies to target a solution landscape and product vision
- Developing an online platform in order to streamline the data collection process for the doctors and improve communication with their own patients

Mar '16–present

Design Team – Engineering World Health
Team Leader – Programmer
- Led 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 to alert mothers in developing countries when they are about to go into labor so they can seek proper medical care

Nov '14-present

I-STAR Imaging Lab – Johns Hopkins Medicine
Research Intern - Programmer
Faculty Advisor: Dr. Jeff Siewerdsen, Johns Hopkins Medicine
- Designed custom infrared markers and experimented with registering markers used in surgical tracking systems with radiographic images pre-op so those markers would no longer need to be in the operating space

Jan '16-present

Work

Student Web Developer – Online Research and Internship Database (ORID)
Advisor: Dr. Eileen Haase, Johns Hopkins Department of Biomedical Engineering
- Introduced the idea of a search engine for research positions; immediately won the support of the department head
- Currently developing an online database for students to conveniently browse through and apply for all available research lab positions

Jul '16–present

Course Assistant – Introduction to Java
Professor: Mrs. Joanne Selinski, Johns Hopkins Department of Computer Science
- Led weekly lab sessions, graded homework and midterms, held office hours

Sept '15-present

Accomplishments

Adaptive Object Detection Algorithm, *Modeling and Design Team*
- For the purposes of the project, needed to calculate and record the position of certain objects for every frame of a video clip
- Wrote an algorithm to automate the process by detecting objects with unique characteristics (e.g. brighter colors) and adapt as object motion increased

Dec '14

Distribution Platform for Project Pitches, *Medhacks Hackathon*
- Wholly designed and developed a centralized platform to distribute project ideas
- Programmed from scratch, utilizing remote databases, the Parse Server API, and intuitive design language
- http://pitch.medhacks.org

Aug '16

Leadership

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