

# Victor Javid Dadfar

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Education	<b>Bachelor's of Science; Major in Biomedical Engineering, Minor in Computer Science</b> <i>Johns Hopkins University, Baltimore, MD – Grade Point Average: 3.66</i> <ul style="list-style-type: none"> <li>Dean's List (3.5 GPA or above) All Semesters</li> </ul>	2014 - 2018
Skills	<b>Languages:</b> C/C++, Java, HTML/CSS/JavaScript, Objective-C, Python/CudaTools <b>Software Platforms:</b> Eclipse, Matlab, Xcode, Arduino, Unity, Android Studio, Unix, Parse <b>Areas of Expertise:</b> Web Development, Computer Graphics, UI Design <b>Summary:</b> Leadership, Programming, Public Speaking, Research and Development	
Research	<b>Design Team – Center for Bioengineering Innovation and Design</b> <i>Faculty Advisor: Dr. Robert Allen, Johns Hopkins University</i> <ul style="list-style-type: none"> <li>Conducted over 400 user studies to target a solution landscape and product vision</li> <li>Working with a committee of experts in the field of IP Law, Health Informatics, and Software Engineering</li> <li>Developing a brand-new mobile/online platform to improve medication adherence for Coronary Artery Disease patients with physician verification</li> </ul>	Mar '16–present
	<b>Design Team – Engineering World Health</b> <i>Team Leader</i> <ul style="list-style-type: none"> <li>Led a multidisciplinary team of engineers and pre-medicine students to conduct background research, prototype creation, and product testing</li> <li>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</li> </ul>	Nov '14–present
	<b>I-STAR Imaging Lab – Johns Hopkins Medicine</b> <i>Research Intern</i> <i>Faculty Advisor: Dr. Jeff Siewerdsen, Johns Hopkins Medicine</i> <ul style="list-style-type: none"> <li>Researched and tested a cutting-edge workflow for surgical tracking involving minimal marker contact while maintaining tracker accuracy</li> <li>Designed first-of-a-kind custom surgical tracking markers with unique three-dimensional shapes to be used in both infrared and radiographic tracking</li> </ul>	Jan '16–Sept '16
Work	<b>Student Web Developer – Online Research and Internship Database (ORID)</b> <i>Advisor: Dr. Eileen Haase, Johns Hopkins Department of Biomedical Engineering</i> <ul style="list-style-type: none"> <li>Developing an intuitive searchable and scalable database of research positions accessible to Hopkins students, allowing them to browse and apply for available positions instantly</li> </ul>	Jul '16–present
	<b>Course Assistant – Introduction to Programming</b> <i>Professor: Mrs. Joanne Selinski, Johns Hopkins Department of Computer Science</i>	Sept '15–present
Projects	<b>Adaptive Object Detection Algorithm, Modeling and Design Team</b> <ul style="list-style-type: none"> <li>Tasked with developing a solution to record and track positions of objects for the duration of a video clip</li> <li>Wrote an algorithm to automate the process by detecting objects with unique identifiers and adapt as object motion fluctuated</li> </ul>	Dec '14
	<b>Distribution Platform for Project Ideas, Medhacks Hackathon</b> <ul style="list-style-type: none"> <li>Tasked with designing and developing a centralized platform for hackathon project ideas</li> <li>Created a scalable database solution, utilizing the Parse Server API and an intuitive design language</li> </ul>	Aug '16
Leadership	<b>Design Team Leader, Engineering World Health</b> <b>Lead Software Developer, Medhacks Hackathon</b> <b>Founding President, Hackerlab</b>	