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Education	Bachelor of Science; Major in Biomedical Engineering and Computer Science <i>Johns Hopkins University, Baltimore, MD</i> <ul style="list-style-type: none"> 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 Visualization, Computer Graphics, UI Design Skilled in: Leadership, Programming, Public Speaking, Product Development	
Research	Lead Front-End Developer – Center for Bioengineering Innovation and Design <i>Faculty Advisor: Dr. Robert Allen, Johns Hopkins University</i> <ul style="list-style-type: none"> 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 <i>Johns Hopkins University</i> <ul style="list-style-type: none"> 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 <i>Faculty Advisor: Dr. Jeff Siewerdsen, Johns Hopkins Medicine</i> <ul style="list-style-type: none"> 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
	Full-Stack Developer – Online Research and Internship Database (ORID) <i>Advisor: Dr. Eileen Haase, Johns Hopkins Department of Biomedical Engineering</i> <ul style="list-style-type: none"> 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
Work	Course Assistant – Introduction to Programming <i>Professor: Mrs. Joanne Selinski, Johns Hopkins Department of Computer Science</i> <ul style="list-style-type: none"> Introduce inexperienced students into programming with Java Grade homework, lead lab meetings, proctor exams 	Sept '15-present
Projects	Object Tracking Algorithm, Freshman Modeling and Design Team <ul style="list-style-type: none"> 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
	Pitch Platform, Medhacks Hackathon <ul style="list-style-type: none"> Aimed to design and develop a centralized platform for hackathon project ideas Created a scalable database-driven solution, utilizing the Parse Server API and an intuitive design language for a seamless user interface 	Aug '16
Leadership	Vice President, Engineering World Health Lead Web Developer, Medhacks Hackathon Founder/President, Hackerlab	