Victor Javid Dadfar

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Education

Bachelors of Science; Major in Biomedical Engineering and Computer Science Minor — *May 2018 (Expected)*
Johns Hopkins University, Baltimore, MD – Grade Point Average: 3.66
Dean's List (3.5 GPA or above) All Semesters

High School Diploma — *June 2014*
Morris Hills High School, Rockaway, NJ

Skills

Languages: C/C++, Java, HTML/JavaScript, Objective-C, Python/CudaTools
Software Platforms: Eclipse, Matlab, Xcode, Arduino, Unity, Android Studio, Dreamweaver
Operating Systems: Windows XP-10, Unix (Linux and OS X)
Certifications: Microsoft Office Specialist in Word, Excel, Powerpoint

Work

Course Assistant – Introduction to Java — *Sept 2015–present*
Professor: Mrs. Sara More, Johns Hopkins Department of Computer Science
- Lead weekly lab sessions, grade homework and midterms, and hold office hours

Student Videographer — *Sept 2015–present*
Advisor: Mrs.Alexandra Leikin, Johns Hopkins Department of Undergraduate Admissions
- Create videos for the admissions team, showcasing the beauty and charm of Hopkins and its diverse student body

Research

I-STAR Imaging Lab – Johns Hopkins Medicine — *Jan 2016–present*
Research Assistant– Programmer
Faculty Advisor: Dr. Jeff Siewerdsen, Johns Hopkins Medicine
- Experimented with registering infrared markers used in surgical tracking systems with radiographic images in hopes of removing the marker from the patient during surgery

Neuropathology Lab – Johns Hopkins Medicine — *Sept 2015–Jan 2016*
Research Assistant– Programmer
Faculty Advisor: Dr. David Nauen, Johns Hopkins Medicine
- Analyzing DNA and RNA sequencing data from human cells with and without epilepsy to determine if the expression of certain genes causes said phenomenon

Tocodynamometer and Fetal Heart Rate Monitor – Engineering World Health — *Nov 2014-present*
Team Leader – Programmer
- Designing a low cost toco device to monitor a child during pregnancy and after birth using an Arduino and various sound processing algorithms on a smartphone

CITT Kit Design Team – Center for Bioengineering Innovation and Design — *Nov 2014–May 2015*
Research Assistant
Faculty Advisor: Dr. Robert Allen, Johns Hopkins University
- Conceived a low-cost modular contraceptive implant training tool for developing countries, named "CITT Kit", that can handle implants and removals

Leadership

Founding President of HackerLab, *Johns Hopkins University* — *Oct 2014-present*

Founding Co-President of Junior Auxiliary, *St. Clare's Hospital* — *June 2012-present*

Service

Logistics Volunteer, *Medhacks Hackathon* — *November 2015-present*
- Webmaster/work on organization and planning for Medhacks

Team Leader Volunteer, *St. Clare's Hospital* — *May 2010-September 2015*
- Gave over 1200 hours in the last three years with various volunteer awards

Activities

Extracurricular Activities, *Johns Hopkins University* — *2014-present*
- Iranian Culture Society, Board Member, September 2014
- Engineering World Health, Webmaster, November 2014
- Bootup Baltimore, Volunteer, November 2014
- Black and Blue Jay, Writer, February 2015