AAMIR**HUSAIN**

1125 12th Street NW, Washington, DC 20009
aamir300@gmail.com
LinkedIn
904 687 8845

C/C++ • CAD • SQL • BASIC • MATLAB • TECHNICAL WRITING • MICROSOFT OFFICE
3D PRINTING • ILLUSTRATOR • INDESIGN • JAVA • HTML • CSS • CIRCUIT DESIGN

EXPERIENCE

developer & consultant **ENLIGHTENED, INC**
Washington, DC — August 2015 - Present

- Fixed problems and maintained system integrity at the production level while adding enhancements to current software (GenTax).
- Developed online tax return forms on DC's online Taxpayer Access Portal.
- Worked with government clients as a consultant for Fast Enterprises to deliver a streamlined tax solution software.
- Queried DC's taxpayer database using SQL, coded programs for GenTax using Microsoft Visual Basic and Microsoft SQL Server.

technology assistant **HIMMELFARB HEALTH SCIENCES**
Washington, DC — June 2014 - December 2014

- Provided routine consultation to GWU Medical Students for accessing academic computer programs.
- Helped maintain and troubleshoot computers, printers and scanners.
- Performed administrative librarian duties such as renting out computer equipment and checking out textbooks.

research assistant **NANO MEDICINE & TISSUE ENGINEERING LAB**
Washington, DC — May 2014 - January 2015

- Cultured and centrifuged mesenchymal stem cells (MSCs) to prepare samples which were then implanted onto 3D printed neural and osteochondral scaffolds.
- Observed proliferation, adhesion and viability of MSCs for scaffolds over a two month period.
- Designed and constructed new printing tray to significantly improve quality of printed scaffolds and consistency of samples.

research & design intern **SPINE WAVE, INC**
Shelton, CT — June 2013 - August 2013

- Assessed previous prototypes and re-designed parts for a spinal implant gun using SolidWorks; this device was used to measure the force required to insert a vertebral implant.
- Used a Wheatstone bridge configuration and potentiometer to track trigger strain and movement.
- Assisted R & D staff with cataloging SpineWave's inventory using its database of product images.

research assistant **VERTES RESEARCH GROUP**
Washington, DC — January 2013 - May 2013

- Utilized laser ablation electrospray ionization (LASEI) as a novel method to observe chemical compositions.
- Optimized laser focusing methods using optics formulae in order to determine ideal lens placement to improve smaple ablation.

PROJECTS

hardware & design lead **CAPSTONE SENIOR DESIGN PROJECT**
The George Washington University — January 2014 - May 2015

- Designed a biometric shirt incorporating a fabric stretch sensor, accelerometer and 3 lead ECG to measure heart rate, breathing rate, steps taken, distance traveled and energy expended. Programs used: Eagle PCB Design, AutoCAD, Arduino IDE.
- Developed a mobile app to wirelessly receive and display biometric data.
- Second place in Pelton Senior Design Competition.

vp of marketing **GW CLASS COUNCIL**
The George Washington University — August 2012 - May 2015

- Improved student engagement with Class Council by reaching out to over 12,000 people and achieved a 300% increase in website traffic in one semester.
- Organized and led three flagship events within an allocated budget of $21,000.

content team **TEDxFOGGYBOTTOM**
Washington, DC — September 2014 - April 2015

- Collaborated with Content team over the course of the year to research, contact and curate a list of 21 inspirational speakers out of 400+ applicants in the DMV area.
- Distributed tickets, directed attendees and served as a backstage student liaison for speakers on the day of the event.

team member **LEADINGAGE™ HACKFEST**
Nashville, TN — October 2014

- Invented and tested an innovative fall detection smartphone app for the elderly as part of a 24-hour coding competition, winning third place.

The George Washington University **GPA 3.52**	Boğaziçi Üniversitesi
B S Biomedical Engineering | Biophysics Minor	*Electrical Engineering | Istanbul, Turkey*
Honors Program, Dean's List, Dean's Commendation List	GW Exchange: Study Abroad (Fall 2013)
Member of Tau Beta Pi Professional Fraternity	Blog: The Foreign Exchange