

# shamikh hossain

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## EDUCATION

**Duke University, Durham, NC**

**August 2016 - May 2020**

Trinity College of Arts & Sciences; Coursework: Introduction to Computer Science, Economic Principles

**Uplift North Hills Preparatory High School, Dallas, TX; GPA: 3.93/4.00**

**August 2012 – May 2016**

Student Council- Treasurer; Muslim Students Association- Vice-President; Irving TeenCourt Program- Senior Associate Attorney

## ACTIVITIES & EXPERIENCE

**IT Computer Consultant; Duke Office of Information Technology - [Biology IT Service Desk](#)**

September 2016 – Present

- Provide live software and hardware support for professors, graduate students, staff in Biology department, assisting with virus removal, software configuration, network problems, set-up, encryption, imaging; taking measures to protect sensitive lab data
- Write for and manage Biology IT Wiki, online knowledgebase for common Duke software configurations and troubleshooting
- Use ServiceNow platform to assist broader Duke community on wide range of IT issues, work individually and as team to resolve

**Auditor; Duke Student Organizational Finance Auditing Committee (SOFC)**

September 2016 – Present

- Assist with allocating Duke University's student club funding efficiently by auditing and evaluating various student organizations through analyzing event turnouts, consumption, outcomes, general performance and budgetary matters for auditing committee

**Python Developer; Duke Conservation Technology ([DCT](#))**

September 2016 – Present

- Working to update current implementation of the MATLAB Computer Vision Toolbox and investigating a possible implementation with a Python library to attempt to track livestock and animals of interest aerially with a UAV (drone) camera

**President & Co-Director of Technology; [Model United Nations](#)**

August 2015 - May 2016

- Managed all technical aspects of marketing and registration for Model UN conference in Dallas hosting 150 external students
- Developed new conference [website](#) using WordPress, created social media platform and internet presence; new website was discovered by the [United Nations Foundation of America](#), representative offers to help fund conference with scholarship grant
- Supervised 20-officer team for 130+ member club, used Excel to keep track of ~\$11,000 budget, oversaw communications between organization and faculty, designed logos, flyers and proposals, conducted delegate workshops on research/strategy
- Introduced first-ever impartial, merit-based score report process to select delegates for end-of-year international conference

**Freelance Web Developer & Graphic Designer**

- Currently developing website [Parrot.ly](#), new online language-learning initiative hosting free educational materials and downloads; building log-in and user authentication platform and homepage with Ruby on Rails framework, Bootstrap, etc.
- Utilized WordPress to build [homepage and blog](#) for Young Muslim Experience, religious youth group based in Irving, TX
- Use Squarespace to maintain homepage for [Good Citizens of DFW](#), social and political advocacy group for Muslims in the Dallas Fort-Worth area. Designed official logo for organization, contracted to make official brochure and upkeep website

**Content Publisher; [HossTech at YouTube](#)**

- Started HossTech, online library of video tutorials on computer software-related tricks and tips, graphic-design, all published on YouTube under Partnership license. Channel has accumulated over 178,000 video views; currently at ~250 subscribers

## AWARDS & ADDITIONAL INFORMATION

- ❖ Second-Place Winner of Dallas Muslim Hackathon, built cross-platform Mobile app developed with Ionic framework
- ❖ **Academic:** National AP Scholar 2015, National Merit Commended Scholar 2015, International Baccalaureate Diploma Holder
- ❖ **Service:** Mid-Atlantic ACM Regional Collegiate Programming Contest Volunteer; Irving TeenCourt Program Award 2016
- ❖ **Extracurricular:** Texas University Interscholastic League: Student Congress State Qualifier (2014, 2015), Cross-Examination Debate State Qualifier (2014, 2015); Model United Nations: Ivy League Model UN Conference 2016: Specialized Agency Honorable Mention, North Texas Model Arab League Conference 2014; Outstanding Delegate

## SKILLS

**Data Science:** iPython & Jupyter Notebook (intermediate), NumPy + SciPy + matplotlib + pandas (beginner), R + RStudio (beginner)

**Web Technologies:** Django, Ruby on Rails, Node.js (beginner), HTML/CSS/JavaScript + Bootstrap, WordPress (experienced)

**Programming:** Python (proficient), Java (beginner), Git; **General Skills:** Photoshop (intermediate), Excel, FTP, ServiceNow (Proficient)