SHAMIKH HOSSAIN

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shamikh.me | GitHub | LinkedIn | Blog

EDUCATION

Duke University 2016-2020
Cumulative GPA: 3.93/4.0 | Major GPA: 4.0
BS, Computer Science
BS, Economics

Uplift North Hills Preparatory 2012-2016
IB® Diploma Program Graduate
National AP Scholar

SKILLS

Python (proficient), Java (beginner)
Data: iPython & Jupyter Notebook (intermediate)
NumPy/SciPy + pandas + matplotlib (beginner)
scikit-learn (beginner), R, SQL (familiar)
Web: HTML/CSS/JavaScript + Bootstrap
Node.js (beginner), WordPress (familiar)
Frameworks: Rails, Django, Pelican (beginner)
General: Photoshop (intermediate), Excel, Git,
(experienced), FTP, ServiceNow (experienced)
Independent Coursework:
Udacity: Machine Learning Nanodegree (in
progress); Enthought: Python Essentials, NumPy

LEADERSHIP

Dallas Area Model United Nations

President, Co-Director of Technology | 2015-'16

- Supervised 20 member-team to organize
  Model UN conference for 150 city high school
  students, managed ~$11,000 budget
- Developed new conference website in
  WordPress, site receives attention from UN
  Foundation of America, school is offered
  scholarship grant for conference
- Designed logos/flyers, served as liaison to
  faculty, conducted delegate workshops
- Introduced first-ever impartial, merit-based
  score-report system to fairly, rigorously select
  delegates for end-of-year conference

Duke Student Organization Finance

Auditor | September '16–Present

- Help determine organizational funding fairly and
  efficiently through participant observation of
  student organizations and events on campus
- Analyze turnouts, consumption, outcomes, and
  budgets of campus functions to determine
  optimal usage of university resources

EXPERIENCE

Duke Office of Information Technology

Biology IT Computer Consultant | August '16–Present

- Provide live software and hardware support for
  professors, students, faculty of Biology Dept.
- Work to protect sensitive lab data, encrypt
  firmware, remove viruses, assist with software
  configuration, network issues, set-up and imaging
- Manage Biology IT Wiki, online knowledge-base for
  common Duke software configurations/tutorials
- Use ServiceNow platform to assist broader Duke
  community on wide range of technical issues

Duke Conservation Technology (DCT)

Developer, Animal Tracking Team | Sept. '16–Present

- Part of new student initiative using technology to
  tackle ecological and environmental issues
- Helping build and test new livestock/animal-
  tracking methodology using Unmanned Aerial
  Vehicles (UAV) and lightweight tagging system
- Working to update current implementation of
  MATLAB Image Processing toolbox, investigating
  possible implementation in Python with OpenCV

Freelance Developer & Publisher

- As a Partner Content Publisher on YouTube,
  maintained online library of tutorials on computer
  software/graphic design, 180,000+ video views
- Used front-end technologies (HTML/CSS/JS),
  WordPress, and Adobe Creative Suite to create
  logos and websites for various groups or services