

shamikh hossain

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education

Duke University 2016 - 2020

B.S, Computer Science

B.S, Economics

Major GPA: 4.0

skills

Software: Python, Java, Git

Data: Jupyter Notebook,
NumPy, SciPy, Pandas,
matplotlib, scikit-learn, R, SQL,
ArcGIS API, Excel

Web: HTML/CSS/JavaScript,
WordPress, Rails, Django,
Flask, Node.js, React

General: Photoshop,
Markdown, CLI/Bash,
ServiceNow CRM

Independent Coursework:

Lynda: Django, Udacity:
Machine Learning Nanodegree,
Enthought: NumPy

other

University Dean's List
IB® Diploma Recipient
National AP Scholar
Burger King Scholar
Freelance Web Developer
YouTube Partner

interests

Data science and machine
learning, web development,
cryptocurrency, econometrics,
theoretical computer science,
ancient history, python, math

experience

Duke Energy Data Analytics Lab - Incoming Research Intern

Summer 2017 | Information Initiative at Duke | Durham, NC

- Research assistant in project that uses data science and deep learning techniques, specifically a convolutional neural network, to analyze electricity access disparity through aerial imagery
- Will work on agglomerating research dataset, evaluating socioeconomic and physical factors surrounding urban energy

Office of Information Technology - IT Computer Consultant

August 2016 - Present | Duke Biology Dept. | Durham, NC

- Use ServiceNow® platform to provide live software/hardware support for professors and staff of Duke Biology, work to protect sensitive lab data, encrypt firmware, remove viruses, assist with software configuration, network issues, set-up and imaging
- Work to write scripts to automate routine installations, write IT team documentation and maintain wiki

Duke Conservation Technology - Developer

August 2016 - Present | Durham, NC

- Helping build and test new animal-tracking methodology using Unmanned Aerial Vehicles (UAV) and lightweight-tagging system
- Working to re-implement existing Matlab program in Python with OpenCV, utilizing ROS and Raspberry Pi + camera system

Duke Student Organization Finance - Auditor

August 2016 – Present | Durham, NC

- Analyze consumption, outcomes, budget reports of organizations to help Duke administrators determine optimal usage of resources

Dallas Area Model United Nations - President & Tech Lead

August 2015 – May 2016 | Uplift North Hills Prep | Dallas, TX

- 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 received attention from UN Foundation of America, school is offered scholarship grant for conference