Nasif Zaman

Graduate • 3D Computer Vision Research

- znasif.github.io
- nasifzaman@yahoo.com
- github.com/Znasif

Education

Dhaka, Bangladesh 2018	**Bangladesh University of Engineering and Technology** BSc Computer Science GPA: 3.31 / 4.0 Honors Thesis: *Mouza Map Digitization*

Research

Dhaka, Bangladesh 2019 –	**Computer Vision Research** Prof. Monirul Islam › Maple: Robust Map Segmentation Using Mask-RCNN

Scholarships

2011	Board Scholarship in Secondary School Certificate Examination
2011	Board Talentpool Scholarship in Primary School

Work Experience

Dhaka, Bangladesh	**Elab**
	Machine Learning and Big Data Engineer
2018 – 2018	› Processing and Analyzing Imaging Data
2018 – 2018	› Extract Text from Medical Reports
2018 – 2018	› Train Neural Network for Tentative Diagnosis
2018 – 2018	› Migrate Infrastructure to Google Cloud Platform
2019 –	› Create a functional REST API

Skills

Programming	Python (including Django, NumPy) · Java (including Spring) · MATLAB · C/C++ (including AVR, Arduino) · C# · HTML/CSS · LaTeX
Computer Vision and Image Processing	OpenCV · Matplotlib · Caffe · Keras · PyTorch · scikit-learn · Unity3D · Blender · VisualSFM · Google Cloud Platform
GIS and Cartography	ArcScene · ArcGIS

Relevant Coursework

Computer Science	Artificial Intelligence · Computational Geometry · Linear Algebra · Digital Image Processing · Computer Graphics
Online Coursework	Neural Networks and Deep Learning · Probabilistic Graphical Models · Multi-view Geometry · Machine Vision · Introduction to XR · Game Theory · Fundamentals of GIS

Projects

2018	Bangla Numeral Detection and Recognition in Scanned Mouza Maps with MaskRCNN and OCR (Python)
2018	Reddit bot for Map Recognition in r/Map_Porn, r/MapPorn and r/maps (Python)
2017	Plot Information Management System (Django)
2016	Train Ticket Reservation System (Java and Oracle)
2015	Multi Tab Web Browser (Java)
2014	2D Racing Car (C)

Hardware Projects

2018	Grid Solving Robot (Arduino Uno and IR-Sensor)']
2017	2-Player Ludo Game (Variants: Player1 vs Robot and Player1 vs Player2) (ATmega32 and LED Matrix)

Activities and Interests

Sport   Swimming · Cycling

Other   Map making · Web crawling · Casual reading · Eating