# Tanvir Islam

tanvirmislam.github.io ♀ tanvirmislam.cs@gmail.com ☑ linked.com/in/tanvirmislam in github.com/tanvirmislam ♀

#### EDUCATION

## University of Connecticut, Storrs, CT

Bachelor of Science, May 2019

Major 1: Computer Science and Engineering

Major 2: Electrical Engineering

GPA: 3.66 / 4.00

## WORK EXPERIENCE

## Software Engineer

FactSet Research Systems Norwalk, CT | July 2019 - Present

- Architect a Point-in-Time database applying formulas and post-processing logic to the raw archived company-data of past twenty years
- Build RESTful and GraphQL APIs to expose datasets to a large number of parallel clients
- Work as the engineer on-call for production related issues on a rotational basis
- Developed an internal product using .NET, PostgreSQL, GraphQL and Vue to maintain thousands of security-linked metadata and to provide a UI for adding and updating records
- Worked on creating a new workflow pipeline using Python that improved the run-time of existing ingest/update jobs by more than 20%

#### Technical Support Specialist

UConn School of Fine Arts Storrs, CT | September 2017 - May 2019

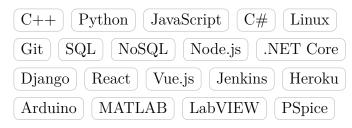
- Designed and maintained websites for UConn School of Fine Arts and Benton Museum
- Provided IT support to classrooms and exhibitions to ensure a reliable technical platform

#### Information Technology Intern

The Travelers Companies Hartford, CT | Summer 2016 & 2017

- Collaborated with the developers and designed a web-repository with Confluence Wiki that stored the metadata of all web services used within the Personal Insurance department
- Wrote scripts to automate monthly call-data aggregation process that boosted productivity

## TECHNICAL SKILLS -



#### PROJECTS -

#### GitFiddle

Educational Tool *qitfiddle.herokuapp.com* 

• Built an interactive web-application with Vue, p5.js, and GitHub REST APIs that visualizes various Git branching commands

#### Covid-Athenaeum

Visualization covid-athenaeum.herokuapp.com

- Utilized Node.js, MongoDB and Heroku to make the data accessible via RESTful APIs
- Generated data visualizations with D3.js, Vue

#### Checkers AI

Artifical Intelligence for Checkers

• Used C++ to implement fixed-depth minimax AI able to play checkers with the user

## RESEARCH EXPERIENCE -

#### Research Assistant

UConn School of Engineering, Dept. of ECE Storrs, CT | September 2016 - August 2018

- Worked under Dr. John Ayers to simulate and analyze growth platforms for semiconductors
- Authored four research papers based on our research and was awarded the best undergrad research poster at CMOC symposium 2019

#### **REU Fellow**

National Science Foundation REU at UConn Storrs, CT | Summer 2018

- Collaborated with Dr. Shengli Zhou and Dr. Song Han to research Software Defined Radio usages for real-time communication systems
- Developed an ad-hoc network capable of intercomputer message transfer with GNURadio