Asif Uddin

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EDUCATION:

Stevens Institute of Technology, Hoboken, NJ   **GPA**: 3.93/4
B.E. Electrical Engineering with Minor in Computer Science, Expected May 2021
Honors: Dean's List, Pinnacle Scholar
Coursework: Algorithms, Data Structures, Web Programming, Agile Methods for Software Development, Databases, Deep Learning, Machine Learning, Artificial Intelligence, Discrete Structures, Computer Architecture

SKILLS:

Languages: JavaScript/ TypeScript, Java, Python, C++, Scheme
Databases: MongoDB, Elasticsearch, PostgreSQL
Technology/Tools: React, git, Express.JS, Node.JS, GraphQL, REST, JSON, Linux, ROS, Gazebo, NumPy, OpenCV

RESEARCH EXPERIENCE:

Maritime Security Center (MSC) – Department of Homeland Security, Hoboken, NJ
Summer Research Intern for Virtual RobotX (VRX) Competition   June 2019 – July 2019
- Conducted research as part of a multidisciplinary team to develop an entry for the Virtual RobotX Competition
- Fused Sensor Data from Integrating **Computer Vision (CV)** and **Clustering Algorithms** on Camera Feed and Filtering Algorithms on LiDAR Data

Maritime Security Research Intern   June 2018 – July 2018
- Conducted research as part of a multidisciplinary team to optimize the autonomous capabilities of a sonar equipped ROV for detecting, tracking, and mapping of subsea pipeline
- Analyzed software and employed CV techniques to enhance the image recognition of the sonar system

HACKATHON EXPERIENCE:

Stevens Venture Center Health Hackathon, Hoboken, NJ - *Software Developer*   November 2019
- Placed **3rd out of 11 teams** and Selected as **one of 50 out of 200 people**
- Developed an app for Rheumatoid Arthritis Users with Voice Assistant Alexa using **Flask** and **PostgreSQL**

Princeton ReHack, Princeton, NJ - *Software Developer*   November 2019
- Recognized by 1517 fund **out of 20 teams** to pursue venture with 1k grant and 5k AWS Credit
- Pitched an app that automated scheduling in group chats with **NLP**

MIT NYC Grand Hack, NYC, NY - *Software Developer*   November 2019
- Placed **3rd** in the Mental Health track and Pitched to Deerfield an app on relationship counseling for Millennials

WORK EXPERIENCE:

Robust Field Autonomy Lab, Stevens Institute of Technology, Hoboken, NJ
Undergraduate Research Assistant   August 2019 – March 2020
- Improved efficiency of threshold algorithms to reduce noise in sonar data
- Investigated techniques to sense and plan unknown environments for autonomous robots
- Studied autonomous robotics with interest in processing of active sensors

ACTIVITIES: American Institute of Aeronautics and Astronautics(Event Coordinator), Stevens Indian Undergraduate Association, Community Service at Food Bank, Reading, Photography, Blogging