

MOINAK DAS

MECHANICAL ENGINEER



New York City, NY



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CAREER PROFILE

Mechanical Engineering student with experience in Autodesk Fusion 360, Autodesk Inventor, and Arduino. Software developer with 4 years of experience in website management and software development for non-profit organizations. Fluent in HTML, CSS, JavaScript, python, jQuery, SQL, PHP, java, C and C#. Have experience with Android Studio, Unity Game Engine, and WordPress.

EXPERIENCE

INSTRUCTOR - MAY. 2022 – PRESENT

ID TECH CAMPS – New York City, NY

Taught one-on-one courses at both middle school and high school levels | Taught classes in Web Development, Game Development, C#, Java, 3D modelling, Mental Math, Algebra, Geometry, and Calculus | Wrote daily session reports for each student to keep parents informed of their child's progress and improve client retention | Create lesson plans catered to each individual student

PRESIDENT - MAY. 2022 – PRESENT

AMERICAN SOCIETY OF MECHANICAL ENGINEERS – Stony Brook, NY

Completely redesign and deploy ASME website using GitHub and Heroku | Use knowledge of HTML, CSS, JavaScript, and jQuery to Create responsive front-end designs on PC and mobile | Use PHP to create self-updating content | Complete SEO and penetration testing to make sure that the website is secure and visible | Plan events to increase organization popularity and member retention | Teach a MATLAB course to club members | Collaborate with other on-campus and external organizations | Participated in monthly meetings to present club plans, finances, and progress

SOFTWARE DEVELOPER/ FULL STACK WEB DEVELOPER - MAY. 2019 – JAN. 2021

GREATER ASTORIA HISTORICAL SOCIETY – Long Island City, NY

Designed new organization website, tripling user traffic | Developed WordPress plugins to streamline website form submission processes | Created software to automate day-to-day tasks and complete them in a fraction of their original time | Involved in the development and design of PC and mobile applications | Used Android Studio and Unity to develop prototypes for these applications

WEB DEVELOPER TEAM LEAD - SEP. 2020 – JAN. 2021

MARNI HALASA'S CITY COUNCIL CAMPAIGN – Manhattan, NY

Designed a new WordPress website to promote the campaign | Supervised two Junior Web Developers to develop the website | Worked with the campaign team to effectively represent Ms. Halasa online

INSTRUCTOR - SEP. 2020 – FEB. 2021

STUYVESANT STUDY SOCIETY – Manhattan, NY

One on one tutoring with a fourth-grade student | Created engaging lesson plans and online demonstrations

INSTRUCTOR - JUN. 2020 – SEP. 2020

NEW YORK YOUTH TECHNOLOGY TEAM – Queens, NY

Taught children aged 11-14 how to code in python | Created lesson plans and graded homework

IT MEMBER - JAN. 2019 – JUN. 2021

STUYVESANT STUDENT UNION – Manhattan, NY

Managed IT help desk for the Student Union website | Managed website: Stuyactivities.org

INSTRUCTOR - JUN. 2019 – SEP. 2019

SCIENCE ADVENTURE KIDS – Manhattan, NY

Managed social media platforms | Responsible for animal care, cleanings, and feedings | Taught children aged 5-10 various topics in science | Helped children with disabilities keep up with instruction | Communicated effectively with both children and coworkers

CONTENT MANAGER - JAN. 2019 – JUN. 2021

STUYVESANT SPECTATOR WEB DEPARTMENT – Manhattan, NY

Responsible for the submissions of articles to the School newspaper website

EDUCATION

STONY BROOK UNIVERSITY (2021-2025) – Stony Brook, NY

GPA: 3.76

STUYVESANT HIGH SCHOOL (2018-2021) – Manhattan, NY

GPA: 4.0

