Vivek **Mhatre**

SOFTWARE DEVELOPER · STUDENT

Permanent: *9 Sunset Drive, Summit, NJ* · **Current:** *890 Curran Street, NW, Atlanta, GA*

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Education

Georgia Institute of Technology   *Atlanta, Georgia*
PROSPECTIVE COMPUTER SCIENCE MAJOR, EXPECTED MAY 2022   *September. 2019 - Present*
- Specializing in Systems & Architecture and Intelligence

Rutgers University – New Brunswick   *New Brunswick, New Jersey*
COMPUTER SCIENCE AND ELECTRICAL ENGINEERING   *September. 2018 - August 2019*
- Honors Program for School of Engineering.

Experience

Rutgers University   *New Brunswick, New Jersey*
RESEARCH ASSISTANT   *May 2019 - August 2019*
- Responsible for development of a new database entry system to track ongoing experiments.
- Conducted research in the Hybrid Micro/Nanomanufacturing Laboratory developing ionic thrusters for propulsion systems of small satellites.
- Investigated fabrication for wafer-scale arrays of hierarchical micro/nanostructures through the use of photolithography.

MobileArq   *Summit, New Jersey*
DATABASE PROGRAMMER   *Oct. 2014 - Sept. 2018*
- Managed databases for 40,000 families using SQL scripts.
- Created websites for various organizations including the Summit Tennis Club using a LAMP Stack and WordPress.
- Designed mockups and wireframes for a mobile application to assess otolaryngology residents at Columbia University.

Tomkin Company   *Scotch Plains, New Jersey*
BID ESTIMATOR   *Mar. 2017 - Sept. 2017*
- Created bid estimates for numerous construction projects throughout New York and New Jersey based upon review and analysis of hundreds of Architectural, Structural, and Electrical drawings.
- Collaborated with high profile construction companies to accommodate for varying project requirements to produce accurate estimates.

NJSTEM   *Summit, New Jersey*
VOLUNTEER   *Feb. 2016 - Aug. 2016*
- Led children through the basics of how to solder and assemble basic circuits through a program named, "Soldering Sundays".

Extracurricular Activities

Data Analytics
PROJECTS
- Created a Fantasy Premier League tool to accurately predict player performances using the scikit-learn machine learning library in Python.
- Used R to model simple linear regression, multiple linear regression, ANOVA, MANOVA, and time series.
- Modeled local weather data using Python to view differences in weather patterns in the past decade.

STEM Activities
CLUBS AND CODING
- Created a voice assistant to recognize toxic language and depression using machine learning in the HackNYU 2018 hackathon.
- Part of Google Code-in project, programmed with Drupal open source libraries, and collaborated with developers around the world.
- Member of the Union Model Aircraft Club and helped organize flying events.

Maker Portfolio
SHORT FILM
- My experience with building and flying planes and drones - https://bit.ly/2lxEIyN

Skills

Software	AutoCAD, OnShape, Solidworks, Fusion 360
Programming Languages	Python, R, Java, Javascript, MATLAB, LaTeX