

SEJAL JAIN

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EDUCATION

Columbia University, New York, Class of 2019

2015 - Present

School of Engineering and Applied Sciences, B.S. Candidate in Computer Science (Intelligent Systems Track)
GPA 3.72, Dean's List

Bergen County Academies

2011 - 2015

Academy for Engineering and Design Technology Hackensack, NJ

SELECTED COURSEWORK

Machine Learning	Introduction to Database Systems	Data Structures
Natural Language Processing	Artificial Intelligence	Computer Science Theory
Cloud Computing and Big Data	Intro to Agile Project Management	Advanced Programming in C/C++

TECHNICAL SKILLS

Python	JavaScript (Angular, Node, React)	SQL	Agile Software Development
C/C++	HTML.CSS	NoSQL	Git
Java	Flask, Django	Firebase	Linux.UNIX systems

EXPERIENCE

Turner Broadcasting System Inc., Technology Business Systems Analyst Intern

August 2017 - Present

- Worked on Revenue Management system for Linear Ad Sales Strategic Planning to extract business insights from high volume data.
- Gathered requirements, wrote user stories and acceptance criteria, high-level story mapping, assisted with UAT, product backlog grooming, targeted discrepancies in SQL stored procedures, and assisted Product Owner with supporting wider portfolio of sales solution products.
- Collaborating closely with developers to create deliverables in an Agile environment

Citizengage, Full Stack Engineering Intern

May - August 2016

- Built a telematics dashboard using MEAN stack framework (MySQL, ExpressJS, AngularJS, NodeJS) to improve logistics and process real-time data coming from fleet of waste collection trucks
- Researched and incorporated route optimization techniques for fleet into dashboard

Girls Who Code, Teaching Assistant

June - July 2017

- Taught computer science fundamentals, robotics, object-oriented programming, web development, and supported girls in executing final full-stack projects for 7-weeks to 20 girls at Turner Broadcasting System

Columbia University Lab for Unconventional Electronics, Research Intern

June 2012 - May 2015

- Developed an ATtiny85 based ultralow-cost flexible sensor platform for medical applications by using C++ to create an interface between the microcontroller and computer for data interpretation
- Research to be published in Lab on a Chip Journal December 2017 issue

CO-CURRICULAR ACTIVITIES

Engineers Without Borders - Ghana Program, Program Manager

2015 - Present

Leading a team to help design and implement a clean water distribution system for a village in Ghana. Specialized focus to build low cost microcontroller system for latrine monitoring and a water level monitoring

Application Development Initiative Labs, Software Developer

2016 - 2017

Built a campus cab sharing mobile app using React Native and Firebase; Built a civic engagement app hyperlocal news app using Flask and Firebase

Columbia Taal, Team Manager

2015 - Present

Managing finances for a fusion dance team; Helped organize a large scale intercollegiate dance showcase for charity, raising over \$6000 in revenue; Head of choreography and artistic vision