SEJAL MEHRA

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SKILLS
- Technical: Java, Python, AWS, HTML/CSS, C++, Javascript, C, Node.js, React, jQuery, Assembly, EAGLE, VHDL, PSPICE
- Design: Sketch, Adobe Creative Cloud (Photoshop, Illustrator, InDesign)

EDUCATION
Stony Brook University   *May 2021*
- Bachelors of Engineering, Computer Engineering, Engineering and Technology Entrepreneurship Minor, WISE Honors Program
- Programming: Object-Oriented Programming, Data Structures and Algorithms, Mobile Cloud Computing (Android)
- Engineering: Embedded System Design, Electronics, Modern Circuit Board Design/Prototyping, Digital System Design (Verilog, VHDL, and PLDs), Electrical Circuit Analysis, Deterministic Signals and Systems, Computer Architecture

EXPERIENCE
Software Engineering Intern - Content Engineering (AI/ML)   *June – September 2020*
ViacomCBS – New York, New York (Virtual)
- Applied machine learning with AWS to ViacomCBS video content to identify optimal marketing opportunities
- Created an Adobe Premiere Panel Plugin to allow editors and engineers visibility into time sensitive output of ML activities
- Developed ground truth patterns using video content in order to improve models within the ViacomCBS content supply chain

Media and Technology Services (MTS) Intern   *June – August 2019*
Viacom – New York, New York
- Rotational internship focusing on UX/product design, software/content engineering, quality engineering (Dev Ops)
- Designed images for tv shows and movies for the production of Paramount Brazil application across mobile and tablet devices
- Developed a program that utilizes Machine Learning APIs to autogenerate tags (names, topics, keywords) for Viacom's internal video content
- Utilized Angular and Firebase to configure a dashboard to optimize the health status of machines on internal sever farms

Media and Technology Services (MTS) Intern   *June – August 2018*
Viacom – New York, New York
- Rotational internship focusing on software engineering, infrastructure/IT, project management, and design
- Developed a responsive television schedule application using Node.js and React components for Nickelodeon
- Worked with collaboration and networking team to understand public/private cloud services and to implement access points (APs) for Viacom floors using schematics, respectively
- Assisted in managing software engineering teams using Confluence, Jira, and Agile/Scrum management practices
- Developed a prototype using Sketch to create interpretations of websites featuring user journey mapping, designing a user flow, and building wireframes

Solution Specialist Intern   *July – November 2016*
Microsoft – New York, New York
- Shadowed technical architects and engineers, assisting in the field of computing in the Microsoft Technology Center (MTC)
- Implementation of an application that utilizes 3D cameras, cognitive services, and machine learning technology
- Cloud based collaboration tool operating on public and private clouds (Microsoft Azure)
- Writing/designing demonstrations for Microsoft in Education

Student Ambassador   *October – February 2016*
littleBits – New York, New York
- Worked on introducing littleBits to adults and children in order to help them understand the features and functions associated with the product

Summer Immersion Program Participant   *July – August 2015*
Girls Who Code at Viacom – New York, New York
- Intensive instruction in computer science, robotics, data structures and algorithms, web development and design, and mobile app development
- Exposure to technology companies, startups, and academic institutions
- Mentorship from female executives, engineers, and entrepreneurs

LEADERSHIP
BUILTBYGIRLS Ambassador   *June 2020 – Present*
- Committed to building and connecting the next wave of curious, driven female and non-binary tech leaders to BUILTBYGIRLS programming, resources, and community

Lead Peer Mentor   *September 2019 – Present*
Stony Brook University – College of Engineering and Applied Sciences (CEAS)
- Manage a group of mentors and also mentor two first-year undergraduate students helping them transition from high school to college and guide them into the industry through various social and professional development events