Ahalya Sanjiv

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EDUCATION

Macaulay Honors College at the City College of New York, CUNY   *New York, NY*
Bachelor of Science, Computer Science, GPA: 3.939   *Expected: May 2019*
- Relevant Courses: Data Structures, Algorithms, Software Engineering, Database Systems, Paradigms, Discrete Mathematics
- Honors: Dean's List, Women in Technology and Entrepreneurship in New York Scholarship, Vivek Shah Scholarship, Rewriting the Code Fellow

Girls Who Code at Goldman Sachs   *New York, NY*
- Scholarship program of intensive instruction in computer science   *August 2014*

TECHNICAL SKILLS

Python, Java, JavaScript, C++, PHP, React, HTML, CSS, SQL, jQuery, Bootstrap, Git, Adobe Photoshop

EXPERIENCE

Facebook   *Menlo Park, CA*
Software Engineer Intern   *May 2018 – August 2018*
- Created a data analytics tool that shows a video's reach, views, and engagement rate to help publishers better understand their audience's behavior and drive them towards a more successful content strategy
- Worked across the stack in PHP, React, and Python to develop the UI, implement integration tests, and add new metrics in the backend that allow users to see the age and gender breakdowns for the data shown
- Added clickable footer messages to posts to surface meaningful data and guide users towards using the new analytics tool

Bank of America Merrill Lynch   *New York, NY*
Software Engineer Intern   *June 2017 – August 2017*
- Developed and tested enhancements to an ASP.NET MVC based application for regulatory disclosures to effectively manage the daily batch processing of data from over 30 sources using JavaScript, jQuery, Bootstrap, and C#
- Increased end user productivity by allowing compliance team to monitor feeds over time directly on the dashboard
- Implemented business logic, data access layer, and user interface for data visualization of trends in feed processing
- Streamlined process of handling the late arrival of files by allowing users to access previous data through the interface

University Transportation Research Center   *New York, NY*
Software Engineer Intern   *January 2016 – October 2016*
- Developed an internal web application that allows principal investigators to electronically submit research proposals
- Tested project management system's user interface and identified errors in the submission process
- Stored user information into the database and allowed administrators to send notifications to users

PROJECTS

Electrochemical Cell Animation Tool
City College Digital Scholarship Services Project   *April 2018*
- Created an interactive educational tool using the p5.js library in JavaScript that simulates the electrochemical cell and shows the effect of the concentration gradient in a cell on its equilibrium potential

Life Simulation - Virtual Ecosystem
Software Design Lab Final Project   *May 2017*
- Simulated a virtual ecosystem containing organisms that interact with each other using object oriented design in Java
- Implemented intelligence for animals to react to predators and prey and move optimally based on surroundings

Latinissimus - Educational Game to Learn Latin
New York University Hackathon Project (Viacom Prize Winner)   *February 2017*
- Developed a mythology-based educational game using Python that teaches users Latin
- Created graphical interface and implemented the functionality of game characters using the Pygame library