Aditi Dam

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EDUCATION

Columbia University - School of Engineering and Applied Science (May 2023) **New York, NY**

Major: Computer Science **Minor:** Entrepreneurship and Innovation

Relevant Courses: Intro to Java, Intro to Computing for Engineers and Applied Scientists, Data Structures in Java, Advanced Programming, Computer Vision, UI Design, Intro to Databases, Computational Linear Algebra, Fundamentals of Computer Systems, Managing Tech Innovation and Entrepreneurship

George W. Hewlett High School (2019) **Hewlett, NY**

SKILLS

Java | Python | Swift | C | Javascript

EXPERIENCE

Columbia University

Teacher Assistant for UI Design Class (2022) - assisted the professor with grading assignments, assisted students with projects, and held office hours.

DevFest Hackathon Hosted by Columbia's Application Development Initiative (2021) - Won 1st place for designing a program that notified people if they were eligible for the Covid-19 vaccine. The robocalls were generated by a python script that scraped data from websites with current vaccination requirements and created an automated message. A website using Firebase was created where volunteers' responses were loaded into a MySQL database. A python script was used to assign volunteers to specific brackets and states.

Robogals - Outreach Chair for Robogals, a club that aims to embolden girls and minorities to join the next generation of engineers.

Scientists and Engineers for Better Society - Executive Board Member. Created computer science workshops.

Columbia Robotics Team (2019-2020) - Sub-team lead for sensors. In charge of determining which sensors are needed for the competition and to measure test readings from the sensors.

DevFest Hackathon Hosted by Columbia's Application Development Initiative (2020) - Won "Best Hack for Social Good". Designed an app called Pantry Dial that matched donators and people who need help finding their next meal. The front end was created using React Native while the back end was created using Firebase.

Internships

World Wide Technology (Summer 2021) - Assisted the Global Accounts team from a technical perspective by automating their program management tools, redesigning their website, and creating weekly status reports for clients. Learned more about program management.

Columbia Computational Graphics Research Internship (Spring 2020) - Assisted in developing an augmented reality program that would allow patients suffering from Parkinson's Disease to walk easily by placing virtual objects within the patient's visual field.

Weill Cornell Medicine (2018) – Intern at Khurana Lab. Worked on a project that included running PIQ to construct a regulatory network for cell lines H660, VCaP, and C4-2 to understand the mechanism and identify potential novel transcription factors for target therapy in Neuroendocrine Prostate Cancer.

Freelance App Development

Cube Catcher! (2020) - Programmed this app in Swift and used Firebase to implement ads. Available in the Apple App Store.

Color Clutch (2020) - Written in Swift. Implemented Firebase to show advertisements in the app. Available in the Apple App Store.

Projects

Girls Who Code (2017) - Became proficient in JavaScript, HTML, and CSS and built a web-based game. Also founded and taught a Girls Who Code Club in my hometown.

Robotics Team - Head programmer/Co-Captain. Competed in FIRST Tech Challenge. Spearheaded the creation of an educational book.

AWARDS

First Place Winner (January 31, 2021) - Awarded by Columbia's Application Development Initiative at DevFest '21
Best Hack for Social Good (February 9, 2020) - Awarded by Columbia's Application Development Initiative at DevFest '20
Community Service and Academic Excellence Award (June 4, 2019) – Awarded by the Office of the Nassau County Executive
Long Island Science Congress 2019 - High Honors
Intel Excellence in Computer Science (April 1, 2019) - outstanding achievement in the category of computer science
Won 1st place at the New York State Science and Engineering Fair (NYSSEF) in computational biology (April 1, 2019)
Finalist and won 1st place at the Junior Science Humanities Symposium (JSHS) in bioinformatics category (February 3, 2019)
Computing Medal Award (April 30, 2018) – in recognition of outstanding achievement in computing.
Bausch + Lomb Honorary Science Award (2018) – In recognition of outstanding achievement and superior intellectual promise in the field of science.
Long Island Science Congress 2017 - High Honors
Molloy Science Fair 2017- Silver Award