

Archi Parekh

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EDUCATION

- Rutgers University — B.S Honors Program Computer Science** **New Brunswick, NJ | Sept 2019 - May 2023**
- **Relevant Coursework:** Data Structures, Discrete Structures I, Intro to Microeconomics, Computer Architecture
 - **Clubs:** Undergraduate Student Alliance of Computer Scientists, Women in Computer Science, SAS Honors Program Video Production Team, SASHP Peer Tutoring
- Architecting with Google Compute Engine Specialization, Google Coursera — Participant** **Jan 2019 - Present**
- Currently working on five course specialization to learn about Google Cloud's tools and practical applications
 - **Courses:** GCP Fundamentals: Core Infrastructure, Essential Cloud Infrastructure: Foundation by Google Cloud
- CSSI Coursera, Google — Participant** **July 2019 - Aug 2019**
- Completed Java Programming: Solving Problems with Software course from Duke University
 - Analyzed genes using String operations and processed CSV files to understand North Carolina's weather trends
- Middlesex County Academy for Science, Math & Engineering Technologies** **Edison, NJ | Sept 2015 - June 2019**
- **GPA:** 4.31/4.0 • **SAT:** 1570/1600
 - **Relevant Coursework:** Electrical & Computer Engg. Tech., Statistics, Discrete Mathematics, Linear Algebra
 - **Clubs:** Academic Team (VP), Eagle Eye Newspaper, (Asst. Editor), Student Council (Secretary), NHS (President)

EXPERIENCE

- Inteltyk — Intern** **Piscataway, NJ | July 2018**
- Analyzed retail data of two stores for performance
 - Developed Microsoft Power BI dashboards to visualize insights on company sales
- Undergraduate Student Alliance of Computer Scientists — Education Committee** **New Brunswick, NJ | Sept 2019 - Present**
- Increases accessibility of computer science by writing guides to Data Structures projects
 - Collaborated on a guide to help students transition from Introduction of Computer Science to Data Structures
- SASHP Video Production Team — Graphic Designer** **New Brunswick, NJ | Feb 2019 - Present**
- Promotes SAS Honors Program to incoming students by interviewing current students for a video production
 - Designs engaging graphics for videos and assists Creative Director in video editing
- HackHERS Graphic Design Committee — Member** **New Brunswick, NJ | Dec 2019 - Feb 2020**
- Designs posters and social media graphics for HackHERS, a women-centric hackathon at Rutgers University
 - Promotes HackHERS to engage more women in the computer science community at Rutgers University
- The Junior Academy of New York Academy of Sciences — Member** **New York, NY | Aug 2017 - Present**
- Inducted as a Young Member of the New York Academy of Sciences (10% acceptance rate)
 - Collaborates with industry experts and international teams on sustainable development-related challenges
 - Led teams for 6 challenges, with 2 winning challenges (Big Data and Wildfire Prevention)
 - Representative at UN Youth Climate Action Summit

PROJECTS

- MeCovery - Senior Capstone Project**
<https://github.com/archiparekh/mecoverly-band>
- Designed a wearable physical therapy assistant using **Arduino Circuit Playground, Android Studio, and 3D Printing**
 - Determined angle of joints by analyzing accelerometer data with **C++** and alerted patients if overexerting
 - Developed Android app to track progress, provide exercise reminders, and share instructional videos
- Big Data Challenge - The Junior Academy**
<https://joinlaunchpad.com/projects/big-data-challenge-5>
- Researched connection between barley yields in the US and climate change factors (ex. precipitation)
 - Prototyped an Internet of Things technology for maximizing crop yields using soil moisture and temperature data
 - Winner - Received New York Academy of Sciences Distinguished Student Award
- Wildfire Prevention Challenge - The Junior Academy**
<https://joinlaunchpad.com/projects/wildfires-tracking-prevention-and-containment>
- Analyzed factors which increase risk of power-line caused wildfires using data analytics and resident surveys
 - Prototyped system that predicts wildfire risk using citizen science, weather data, and wildfire history
 - Finalist - Project featured in *Scientific American*

SKILLS

Technology: C++ • Java • MS Power BI • Arduino • MS Office
Leadership: Logistics Planning • Diligent Editor • Mentorship • Critical Thinking • Presentation • Technical Writing
Interests: Baking • Journalism • Trivia • Environmentalism