

Avi Patel

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EDUCATION

- **Purdue University** West Lafayette, IN
BS. Computer Science Honors, GPA: 4.0/4.0 August 2020 - May 2024
 - **Relevant Coursework:** Problem Solving and OOP, Programming in C, Discrete Math, Intro. to Statistics, Probability, Data Mine I/II, Competitive Programming 1

EXPERIENCE

- **Delta Faucet Company (In Partnership with Purdue Data Mine)** West Lafayette, IN
Data Science Intern Aug. 2020 - Present
 - Developing algorithms to collect and perform data analysis on faucet data from Twitter under Liz Kershner (mentor from Delta Faucet Company)
 - Insights gained from this project will help Delta Faucet Company **improve** faucet designs and **increase** sales
 - **Tech Stack:** Python, R, Tweepy, Twitter API
- **Tri-Valley Youth Expo (Expo Hacks Team)** Dublin, CA
Head of Communications Sept. 2019 - May 2020
 - Helped secure **\$35,000** of sponsorship money from companies and government organizations
 - Cultivated partnerships with **50+** high schools and non-profit orgs. to promote the hackathon
 - Facilitated **weekly** discussions with other members of the communications subteam and kept track of progress in a shared spreadsheet
- **Dublin High School S.W.A.T. (Students Work to Advance Technology)** Dublin, CA
Technical Support Specialist Aug. 2016 - Apr. 2018
 - Provided **one-on-one** assistance to students and teachers who had difficulties working with on-campus technology
 - Managed checking in/check out of school resources (laptops, books, mice, headsets, etc)
 - Guided students new to the school district through the GSuite account set up procedure

PROJECTS

- **RecycleMate:**
 - Worked with a multidisciplinary team to develop a cross platform mobile application which detects if an item is recyclable or not using the phone's camera
 - Implemented crowd sourcing so the user can add the item to the dataset if not already present
 - **Tech Stack:** React Native, Google Cloud Vision API
- **Protect Purdue Bot:**
 - Created an SMS bot tailored to Purdue students that displays COVID-19 symptoms, schedules testing, helps order common commodities such as masks, send a Zoom link with a first responder waiting at the other end, and displays the Purdue COVID-19 dashboard
 - **Tech Stack:** Twilio Autopilot REST API, Python, Flask, ngrok

OTHER

Technical Skills: Java, C++, Python, HTML, CSS, Javascript, R, React.js, Node.js, MongoDB, RESTful API

Certificate(s): Full Stack Development (University of Helsinki)